

# CSE Student Newsletter

September 26, 2018 – Volume 9, Issue 13

Department of Computer Science and Engineering

University of South Florida

Tampa, Florida



<http://www.cse.usf.edu>



Dear CSE Students:

Welcome to the third newsletter of the Fall 2018 semester.

**Message from the UG Advisor:** IMPORTANT: For students planning to graduate in spring or summer 2018, the deadline to submit a graduation checklist is Friday, October 26<sup>th</sup>. You can find details about applying to graduate and many other details on the CSE website. <https://www.usf.edu/engineering/cse/undergraduate/graduation.aspx> Registration for spring will begin at the end of October. You can avoid the rush and long lines by scheduling advising in October when our calendars are still relatively open. Planning now will help you avoid waiting in line once registration starts. Registration times will be posted sometime in October. Remember to check your time and register as soon as you can. Don't wait for fall grades to register for spring courses!!!

**Message from the Grad Program Assistant:** Students graduating Fall 2018, please make sure you apply for graduation via OASIS. In addition, you must submit your Graduation Checklist and Plan of Work. Both forms can be found on our website. See me in ENB 342D if you have any questions on how to fill them out. If you are a TA/RA for the semester, do not forget to pay your fees by October 5 by 5PM once the Tuition Waiver has been applied.

Attached are announcements for the following (please note that this listing does *not* imply University or Department endorsement):

- Office Hours for the CSE Programming Resource Center (PRC)
- Affective Computing Searching for 2 to 3 Undergraduate Assistants
- Department of Computer Science and Engineering Webmaster Position
- Brain-Drone Racing at USF
- Virtual Brain-Controlled Drone (E-Sport)
- NeuroSnap: Facial Filters with Brain Waves
- Career Services to CSE Students: Resumes, Interviews, and ePortfolios
- USF World Part Time Junior Developer Opportunity
- CAE Software Engineering Co-op Student
- WebstaurantStore Entry Level Software Engineers Open Positions
- Get Fast-Tracked for 2019 Jobs and Internships with IBM Through Uncubed
- Maantic Inc. Entry Level Robotic Automation Consultant
- Secure Funding Strategies Website Manager Position
- Axiros Part Time Paid Work Project
- MindSumo and Wells Fargo Campus Analytics Challenge
- NASA Florida Space Grant Consortium
- CBM 2019 6<sup>th</sup> International Conference on Computational Biomedicine
- National Student Directory with Pathways to Science
- Tech USA Software Developers and QA Analytics Full Time Positions
- Help Shape the Future of Navair

Regards,

Ken Christensen  
Professor and Associate Chair of UG Affairs

# Office Hours for the CSE Programming Resource Center

(Fall 2018 – Last updated: September 23, 2018)

The CSE Programming Resource Center (PRC) is the cubicle in the northwest corner of ENB 214 (C4 Lab). Teaching Assistants (TAs) from Programming Concepts (COP 2510), Program Design (COP 3514), Object Oriented Design (COP 3331), Data Structures (COP 4530), IT Programming Fundamentals, and IT Object Oriented Design staff the center to provide programming assistance to all CSE students in all Departmental courses. Note that the TA for your course is always your best resource, but all TAs will work hard to help you. The TAs and hours are below:

## Mondays

**Efe Seyitoglu** <[efe3@mail.usf.edu](mailto:efe3@mail.usf.edu)> for **COP 2510**: 11am – 12:30pm  
**Denis Laesker** <[dlaesker@mail.usf.edu](mailto:dlaesker@mail.usf.edu)> for **COP 3514**: 11am – 12pm  
**Prakruthi Shivram**  
 <[prakruthis@mail.usf.edu](mailto:prakruthis@mail.usf.edu)> for **IT COP 2513**: 12:30pm – 3:00pm  
**John Rippetoe** <[rippetoej@mail.usf.edu](mailto:rippetoej@mail.usf.edu)> for **COP 4530**: 2:00pm – 3:30pm  
**Raul Estrada Ballesteros**  
 <[raulestradab@mail.usf.edu](mailto:raulestradab@mail.usf.edu)> for **IT COP 2512**: 1pm – 3pm  
**Md Sirajus Salekin** <[salekin@mail.usf.edu](mailto:salekin@mail.usf.edu)> for **COP 2510**: 3:30pm – 5:00pm

## Tuesdays

**Joshua Imarhiagbe**  
 <[jeimarhiagbe@mail.usf.edu](mailto:jeimarhiagbe@mail.usf.edu)> for **COP 3331**: T 12:30pm – 1:30pm  
**David Ehrenhaft**  
 <[dehrenhaft@mail.usf.edu](mailto:dehrenhaft@mail.usf.edu)> for **IT COP 2513**: T 12:30pm – 3:00pm  
**Maithili Mishra**  
 <[maithilim@mail.usf.edu](mailto:maithilim@mail.usf.edu)> for **COP 2510**: T 2:30pm – 3:30pm

## Wednesdays

**Padmavathi Siddi** <[siddip@mail.usf.edu](mailto:siddip@mail.usf.edu)> for **IT COP 2512**: W 9am – 11am  
**Chengcheng Mou**  
 <[chengcheng@mail.usf.edu](mailto:chengcheng@mail.usf.edu)> for **COP 4530**: W 1pm – 3pm  
**Trisha Mukhopadhyay**  
 <[mukhopadhyay@mail.usf.edu](mailto:mukhopadhyay@mail.usf.edu)> for **COP 3331**: W 2pm – 3pm  
**Jinghan Meng** <[jmeng@mail.usf.edu](mailto:jmeng@mail.usf.edu)> for **COP 3514**: 2pm – 5pm  
**Garfield Huang**  
 <[yongqiang@mail.usf.edu](mailto:yongqiang@mail.usf.edu)> for **IT COP 2513**: W 4pm – 6pm

## Thursdays

**Raul Estrada Ballesteros** <[raulestradab@mail.usf.edu](mailto:raulestradab@mail.usf.edu)> for **IT COP 2512**: 9am – 11am  
**Kin Ng Lugo** <[kinwaing@mail.usf.edu](mailto:kinwaing@mail.usf.edu)> for **COP 2510**: 1pm – 2pm  
**Anis Elebiary** <[anis@mail.usf.edu](mailto:anis@mail.usf.edu)> for **IT COP 2513**: 4pm – 6pm  
**Tracy Miller** <[tamiller1@mail.usf.edu](mailto:tamiller1@mail.usf.edu)> for **COP 3514**: 5pm – 6pm

## Fridays

**Sk Rahatul Jannat** <[jannat@mail.usf.edu](mailto:jannat@mail.usf.edu)> for **COP 3514**: 2pm – 5pm  
**Krishna Patel** <[krishna4@mail.usf.edu](mailto:krishna4@mail.usf.edu)> for **IT COP 2512**: F 3:30pm – 5:30pm

Legend:	COP 2510	COP 3514	COP 3331	COP 4530	IT COP 2512	IT COP 2513			
Time	Monday	Tuesday	Wednesday	Thursday	Friday				
9:00am				Padmavathi Siddi	Raul Estrada Ballesteros				
9:30am									
10:00am									
10:30am									
11:00am	Efe Seyitoglu	Denis Laesker							
11:30am									
12:00pm									
12:30pm			Joshua Imarhiagbe						
1:00pm	Prakruthi Shivram	Raul Estrada Ballesteros	David Ehrenhaft	Chengcheng Mou	Chengcheng Mou				
1:30pm									
2:00pm									
2:30pm	John Rippetoe	Maithili Mishra		Chengcheng Mou	Trisha Mukhopadhyay				
3:00pm									
3:30pm	Md Sirajus Salekin			Jinghan Meng		Sk Rahatul Jannat			
4:00pm									
4:30pm									
5:00pm									
5:30pm				Garfield Huang	Tracy Miller	Anis Elebiary			
6:00pm									
6:30pm									
7:00pm									
7:30pm									
8:00pm						Krishna Patel			

## **Affective Computing Searching for 2 to 3 Undergraduate Assistants**

Dr. Shaun Canavan is looking for 2-3 undergraduates that are interested in joining his lab to assist PhD students. The Affective Computing lab, which is a part of the Computer Vision and Pattern Recognition lab, is looking for undergraduate assistants to join us.

Responsibilities will be to assist PhD students with research including, but not limited to, manual data separation, writing and debugging python code, and data collection. All class rankings will be considered; no preference will be given to any ranking. At the discretion of lab supervisor, Dr. Shaun Canavan, position may involve more self-directed research projects where the student will no longer be assisting PhD students, but conducting their own independent research, if the student wants to pursue this option.

There are currently multiple positions available. Applications will be accepted until all positions are filled. DO NOT email the lab supervisor or any members of the lab about these positions. ALL applications will be handled through the Google form that is linked below. If you have questions, you can input them at the bottom of this form. Dr. Shaun Canavan will contact you if necessary. Applicants under consideration will be contacted for further discussion.

Click on the link below to apply:

[https://docs.google.com/forms/d/e/1FAIpQLSduZp7Mt1b4Tb16KsnoED9gNoda0vOirWL4lZ7z0hebcyk-g/viewform?usp=sf\\_link](https://docs.google.com/forms/d/e/1FAIpQLSduZp7Mt1b4Tb16KsnoED9gNoda0vOirWL4lZ7z0hebcyk-g/viewform?usp=sf_link)

# Department of Computer Science and Engineering

## Webmaster Position

### About the Department

The Department of Computer Science and Engineering (CSE) offers the Bachelor of Science in Computer Science, Computer Engineering, Information Technology, and Cybersecurity, the Master's in Computer Science, Computer Engineering, and Information Technology, and the PhD in Computer Science and Engineering. Our Department is a nationally top-ranked department with outstanding faculty and successful graduates. Our graduates are in high demand in the Tampa Bay area and throughout the state and nation. Our Department has a strong focus on research and recruitment of students from underrepresented populations.

### Job Summary

The webmaster reports to the Academic Services Administrator, but works closely with the Department leadership, academic advisors, program specialists, and faculty. The webmaster is in charge of managing the Department's website using OU Campus, as well as ensuring that all content is valid prior to submitting for approval to the College's Communications and Marketing Officer. The webmaster performs some information seeking/interview tasks, as well as composes drafts for stories to be broadcast and creates event fliers. The webmaster is expected to respond to communication and requests quickly.

### Responsibilities

Tasks may include:

- Understanding the OU Campus system
- Writing and publishing stories for news archive
- Interacting with Department leadership, staff, and faculty
- Creating and uploading the monthly student newsletter
- Managing the content/links on the website i.e. defenses/dissertations, etc.
- Utilizing MS Office products for communications
- Utilizing Adobe products for marketing i.e. flyers, brochures, posters, etc.

### Requirements

- Open to all majors in good academic standing
- Experience with content management systems
- Demonstrate excellent communication and organizational skills
- Have an understanding of MS Office and Adobe products

### To Apply

- Submit cover letter and resume to Laura Owczarek ([ismurr@usf.edu](mailto:ismurr@usf.edu)) by **October 5, 2018**
- Detail relevant experience related to this position



# Brain-Drone Racing at USF



Brain-Drone Racing is a universal sport that allows people with disabilities (people in a wheelchair, upper or lower limb differences, etc.) to compete in the same race with someone who is considered healthy because the brain is only needed. Also, this sport integrates virtual reality, drones, and neuro technologies.

The **next race** event at University of South Florida will be hosted on February 9<sup>th</sup>, 2019. Check our social media for further updates.

**YAHOO!**  
FINANCE

UNIQUE VISITORS -> 22,115,137

**CBS**  
NEWS

14,526,238

**abc**

**NEWS**

14,684,279

## NEURO-MACHINE INTERACTION LAB

**Director:** Dr. Marvin Andujar

**E-mail:** [neuro.machineinteraction@gmail.com](mailto:neuro.machineinteraction@gmail.com)

**Web:** [www.neurosymbiosis.com](http://www.neurosymbiosis.com)

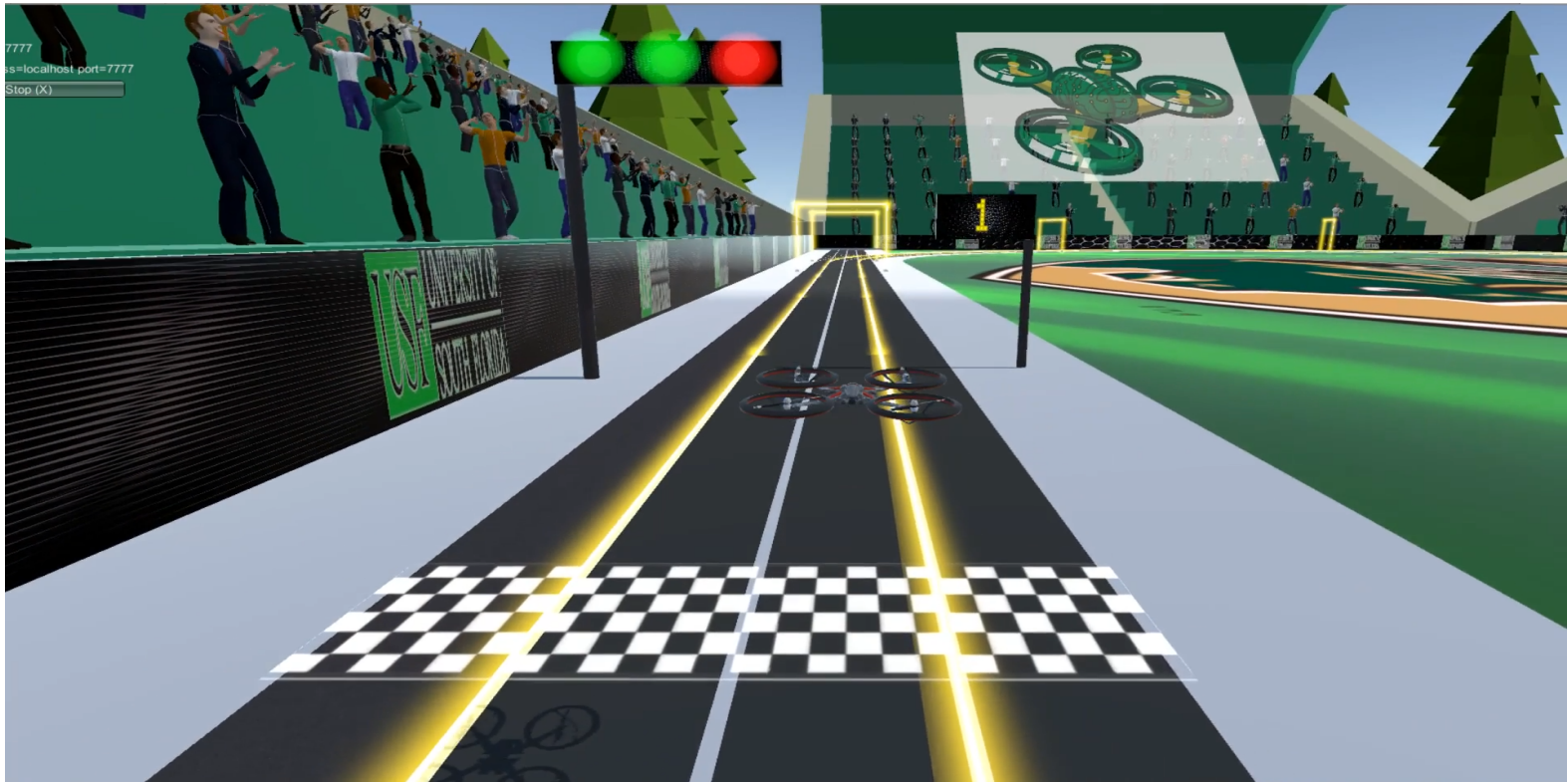
**Instagram:** [neuro.machineinteraction](https://www.instagram.com/neuro.machineinteraction)

**Twitter:** [@Nmil\\_Usf](https://twitter.com/Nmil_Usf)

**USF** UNIVERSITY OF  
SOUTH FLORIDA.



## VIRTUAL BRAIN-CONTROLLED DRONE (E-SPORT)



### Synopsis

A virtual drone in a simulation that can be controlled using brain-computer interface (BCI) devices. Users are capable of flying the virtual drone using their imaginary movement.

To control the simulated drone, the person needs to imagine a movement. Imagining a movement generates the same electrical signals as physically acting. BCI devices are used to capture such signals and send to the simulated drone for control. During training the user is asked to imagine a specific movement that will be associated with a drone command, later he will be able to control the drone by re-imagining that same movement.

### NEURO-MACHINE INTERACTION LAB

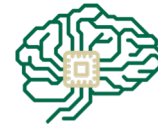
**Director:** Dr. Marvin Andujar

**E-mail:** [neuro.machineinteraction@gmail.com](mailto:neuro.machineinteraction@gmail.com)

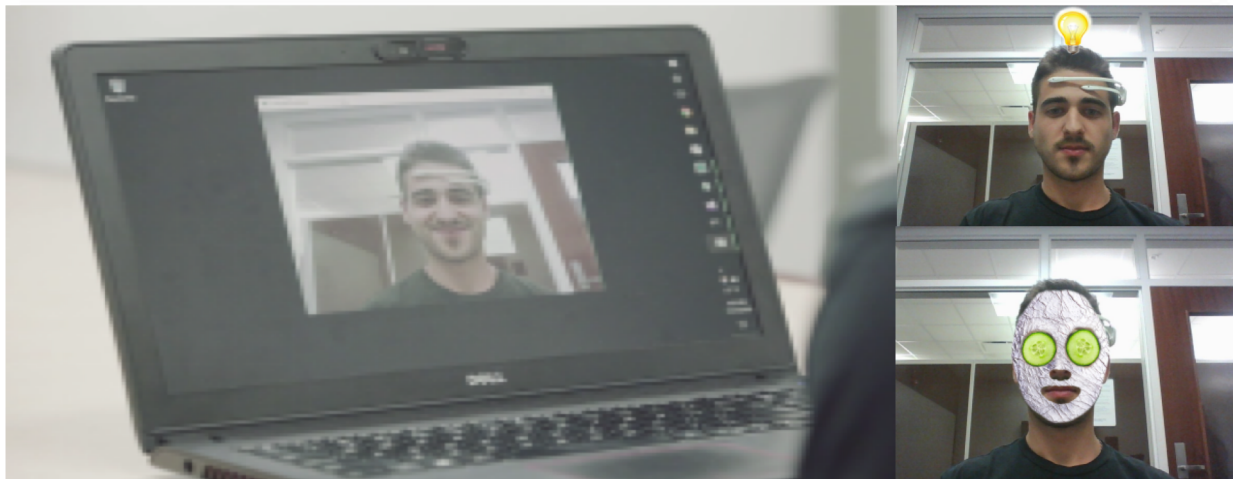
**Web:** [www.neurosymbiosis.com](http://www.neurosymbiosis.com)

**Instagram:** [neuro.machineinteraction](https://www.instagram.com/neuro.machineinteraction)

**Twitter:** [@Nmil\\_Usf](https://twitter.com/Nmil_Usf)



# NeuroSnap: Facial Filters with Brain Waves



## Synopsis

NeuroSnap allows users to express their affective state through facial filters. It is the brain version of Snapchat. It measures electroencephalographic (EEG) signals from the user's scalp. It decodes the EEG waves using proprietary algorithms from Emotiv and displays a particular filter representing the affective state based on the EEG waves: alpha (relaxed) and beta (alerted or focused). The user can see the filters on the computer once the camera has detected the user's face using real-time facial detection.

## NEURO-MACHINE INTERACTION LAB

**Director:** Dr. Marvin Andujar

**E-mail:** [neuro.machineinteraction@gmail.com](mailto:neuro.machineinteraction@gmail.com)

**Web:** [www.neurosymbiosis.com](http://www.neurosymbiosis.com)

**Instagram:** [neuro.machineinteraction](https://www.instagram.com/neuro.machineinteraction)

**Twitter:** [@Nmil\\_Usf](https://twitter.com/Nmil_Usf)

# Career Services to CSE Students: Resumes, Interviews, and ePortfolios

As part of the continuing effort to provide quality career-related software to students at the University of South Florida, Career Services is moving away from the OptimalResume system in favor of other tools and services that are more easily accessible, provide better feedback to our students, and allow for continued access after graduation.

**Access to OptimalResume will end on July 24, 2018.** Students should take this opportunity to remove any documents that may be stored on OptimalResume's website. We will be reaching out to all students by email to let them know about this deadline to remove documents. OptimalResume provided several different services for students such as resume creation and storage, and interview preparation. We have seen the number of new student accounts and existing account logins decrease dramatically over the years leading us to the decision to discontinue paying for this service.

Below, we've created a list of tools that are free for students.

## RESUME

We recommend that students use [resources available on our website](#) to help them create their resumes from scratch, and then use the Handshake system to store their resumes. Handshake is the online career management tool and preferred job and internship platform at the University of South Florida. Students can upload their resume to their profile, use it to build their profile information, and make it visible to recruiting employers. All students have a Handshake account already created for them, which they can access through the MyUSF system. Students log on to MyUSF, hover over the My Resources tab, and click the "Find A Job (Handshake)" link. If they have any issues accessing their account, they can contact our office for assistance.

## INTERVIEW

We recommend using [Big Interview](#), a tool that helps students refine their interviewing skills with an interactive tool that dives into general, behavioral, and technical questions from over 140 industries. Students can record, play back, and re-record their responses to questions to see how they improve with time and they get access to an expert who can coach them through their responses.

## ePORTFOLIO

There are a variety of ePortfolio tools that are available at no cost to students. If you are considering the use of an ePortfolio, please contact our office for assistance in selecting the best tool for your learning objectives.

We hope that you can make use of some of the tools that we have mentioned above for your students, and we welcome any feedback that you might have. **If you have any questions, comments, or suggestions, please contact [Jean Keelan](#), Director of Career Planning.**

Career Services  
University of South Florida  
(813) 974-2171  
[CareerServices@usf.edu](mailto:CareerServices@usf.edu)





# Junior Developer Opportunity

- Are you a fast learner who likes to solve problems and work on full stack development?
- Do you have strong **javascript, html,** and **css** knowledge?
- Do you have experience working with **riotjs** and **firebase** hosting?



USF World is looking for a junior developer to help improve the USF Global Discovery Hub! If you are interested, please apply online at the USF Careers website, **Job ID 17856**. The hourly salary is \$15.50 up to twenty hours per week. Work flexible hours; work remotely; have regular mentoring and weekly team meetings.

\*\*\*Qualified applicants will be asked to demonstrate their skills by creating a unique, real time, riotjs firebase application that reflects their creativity and ability to problem-solve.\*\*\*

Questions may be directed to [kcaruson@usf.edu](mailto:kcaruson@usf.edu) or [lkthomas@usf.edu](mailto:lkthomas@usf.edu)

Check out the USF Global Discovery Hub at [www.usf.edu/gdh](http://www.usf.edu/gdh)



# CAE Software Engineering Co-op Student

CAE is a global leader in training for the civil aviation, defense and security, and healthcare markets. Backed by a 70-year record of industry firsts, we continue to help define global training standards with our innovative virtual-to-live training solutions to make flying safer, maintain defense force readiness and enhance patient safety. We have the broadest global presence in the industry, with 8,000 employees, 160 sites and training locations in over 35 countries. Each year, we train more than 120,000 civil and defense crewmembers and thousands of healthcare professionals worldwide. [www.cae.com](http://www.cae.com)

## Role and Responsibilities

- Provide technical support to senior level engineers in design, test, documentation, and implementation
- Perform engineering tasks including writing and testing software, creating software tools, updating drawings and documentation
- Gather data and prepare reports as necessary
- Provide administrative and technical support to Engineering department
- Assist other departments, when needed

## Qualifications and Education Requirements

- Must be enrolled in an accredited bachelor's degree (or higher level) college/university program in majoring in an Engineering discipline, preferably Software Engineering or Computer Science
- Must have a minimum GPA of 2.5
- Must be proficient with Microsoft Office products
- Must be familiar with C++ and/or C# programming languages
- Familiarity with SQL/Access database a plus
- Must be willing to learn new procedures and applications
- Must be able to compute rate, ratio and percent
- Must have good diagnostic and troubleshooting skills
- Must be detail oriented
- Must be customer service oriented
- Must be willing to learn new procedures and applications
- Must have excellent communication skills
- Must be able to work with minimal supervision

**Pay Starting at \$14 an hour**

**Hours: Part-time; at least 15 hours a week**

**Apply: <https://cae.wd3.myworkdayjobs.com/en-US/career>**

• **Positions: 58821, 58754, 58755, 58822, 58820**

• **Search under Tampa & Tampa, FL, USA**

**Questions: Contact Laura Shives, [Laura.Shives@caemilusa.com](mailto:Laura.Shives@caemilusa.com)**



# WebstaurantStore

## NOW RECRUITING

### Entry Level Software Engineers

Are you looking for **the feel of a start-up**,  
but the **solid foundation** of a  
well-established company?

Do you want to work on  
a variety of **challenging projects**  
using **cutting-edge technologies**?

Do you want to be an **integral part**  
of a core development team located  
**right here in Tampa?**

## WE WANT TO MEET YOU!



See the Full Job Listing & Apply Online Today!

[WebstaurantStore.com/Careers/](http://WebstaurantStore.com/Careers/)

## Get Fast-Tracked for 2019 Jobs & Internships with IBM Through Uncubed

Interested in meeting experts at the intersection of Artificial Intelligence, Natural Language Processing & Machine Learning, and landing a job or internship with the company at the forefront of it all?

IBM & Uncubed are [bringing together students](#) looking for full-time opportunities in 2019 to learn about the future of AI: from reducing environmental pollution and predicting weather patterns to protecting public safety and personalizing education practices.

Events will take place this November across Atlanta, Boston, San Francisco, and Toronto -- **travel & lodging provided (read FREE!)**

(Not looking for a full-time position yet? [Apply through Uncubed](#) and get priority access to 2019 internships.)

Students will be selected through our application process -- we currently have **full-time & internship positions available in Engineering & Development, Product Management, Design & UX, Data Science, and more!**

[Learn more and apply here.](#)

Questions? Contact us at [ibm@uncubed.com](mailto:ibm@uncubed.com).

# Entry Level Robotic Automation Consultant

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**Maantic Inc.** is a leading boutique systems integration company and consulting firm that specializes in the implementation of business applications including BPM, CRM, ERP, EAI, and BI.

The company provides a full range of IT services customized to meet each client's specific needs and business objectives. We have clients in industries ranging from high technology, healthcare, biotechnology & pharmaceuticals, financial services, manufacturing, and communications & media. Maantic is dedicated to the cost-effective delivery of integrated IT solutions that achieve outstanding business success.

Maantic seeks dynamic individuals interested in making a career in the field of Robotics.

## **Summary:**

Individuals with prior knowledge of Robotics/RPA/RDA is preferred but not required. Maantic will train and mentor the individuals hired to fill this role .

## **Job Description:**

- Nice to have 1-2 years' experience in Robotic Automation using Pega Robotics / OpenSpan, Automation Anywhere, UiPath, or Blue Prism
- Ability to become adept at RPA execution including requirements gathering, solution designing, coding, testing, debugging, documentation and implementation
- C# / .net development experience preferred
- Must have excellent communication skills
- Ability to multitask and work with international teams
- Be willing and able to quickly learn RPA design standards and principles to develop automation objects that are efficient, well structured, maintainable and easy to understand

## **Education:**

Bachelor's Degree in Computer Science, Management of Information Systems, or related business discipline(s).

## **We offer:**

Dynamic, exciting and collaborative work environment

Great benefits

Competitive compensation

## **Secure Funding Strategies Website Manager Position**

Mail to:

Fred Schwartz

[3530 Fiddlers Green Loop](#)

[Wesley Chapel, FL 33544](#)

Company – Secure Funding Strategies

Location – Wesley Chapel

Hours – Flexible

Rate of Pay – Base plus bonus – Depending on experience and commitment

Description of Job/Title (Website Manager) – To assist and help manage the day to day workings of the website and generate traffic so we can fill our pipeline. We lend money to all different types of business' and industries. SEO understanding a must as well as experience with Google and Facebook SEO. The goal is maximize effort to drive traffic to our site so we can assist the customer in securing the funds he/she needs to operate their business. The measurement of success will be getting the phone to ring or receiving of e-mails so we can start the loan origination process.

Contact Person –

Fred Schwartz

610-633-0202

## **Axiros Part Time Paid Work Project**

Knowledge of IoT is the main qualifier

People with IoT knowledge usually build IoT projects as a hobby or for school projects with development project kits called raspberry pi, or arduino.

It is likely to be a project that requires 4 hours per week for 4 weeks \$20/hr from our office (we are by the Tampa Airport) – Any day/time between 9am and 4pm mon to Thursday.

Looking for:

- A student who is familiar with IoT (protocols, protocol roles, industry trends, industry players)
- From the college of engineering
- Comfortable using Microsoft power point

We have a few admin guides, we need to put together power points using the information from those admin guides.

No experience required with graphic design, we have a person for that.

What we need is a person capable of understanding IoT acronyms, lingo, and capabilities (from a high level – theoretical – the big picture)

Respond with resume with these skills to: Henry J. Ortiz, Esq.

[Email: Henry.Ortiz@Axiros.com](mailto:Henry.Ortiz@Axiros.com)

Managing Consultant, Internet Of Things Solutions

Axiros North America, Inc.

[Axiros.com](http://Axiros.com) | A Gartner Top 10 IoT Technology company

Mobile: +1-813-419-9440

# MindSumo and Wells Fargo Campus Analytics Challenge

We are a few days into our Wells Fargo campus !

[Wells Fargo Campus Analytics Challenge: Live Green & Live Happy](#)

Feel free to reach out to me ([isha@mindsumo.com](mailto:isha@mindsumo.com)) if you have any questions.

About the Wells Fargo campus challenge:

- Students must use the data set provided in the link to create their machine learning algorithm that minimizes carbon footprint for each customer
- Wells Fargo is giving out \$11,000 to the Top 5 performers of this challenge
- Winners will also be invited to the Wells Fargo Analytics Summit in San Francisco

Feel free to reach out to me ([isha@mindsumo.com](mailto:isha@mindsumo.com)) if you have any questions.



# NASA Florida Space Grant Consortium

The NASA Florida Space Grant Consortium is pleased to announce its 2018 - 2019 student hardware collaborative projects listed below.

## 1. Hybrid Rocket Competition

The objective of the competition is to build and launch a hybrid powered rocket. There are two categories of competition to choose from. The first category consists of launching a hybrid rocket to the maximum altitude. The second category challenges the teams to fly their rocket closest to 2,000 feet in altitude.

<https://floridaspacegrant.org/programs/hybrid-motor-rocket-competition/>

## 2. Florida University Satellite (FUNSAT) Design Competition

Design of a pico-satellite with a maximum mass of 1.33 Kg and the size of 10 x 10 x 10 cm<sup>3</sup> (i.e. 1U). Open to undergraduate and graduate students enrolled in a FSGC affiliated university.

<https://floridaspacegrant.org/programs/funsat-design-competition/>

## 3. Senior Design Projects and NASA Competitions

FSGC will be supporting senior design projects (up to \$750 for each project), NASA Competition participation (up to \$2000) and other competitions for the 2018-19 Academic Year. Priority will be given to NASA competitions.

<https://floridaspacegrant.org/programs/senior-design-projects/>

All these programs can also be accessed from the main FSGC web page

<http://www.floridaspacegrant.org>

For any inquiries about the programs, please email [jaydeep.mukherjee@ucf.edu](mailto:jaydeep.mukherjee@ucf.edu)

# CBM 2019

6<sup>th</sup> International Conference On  
Computational Biomedicine

February 7<sup>th</sup> and 8<sup>th</sup>

8:00 AM - 4:30 PM

J. Wayne Reitz Union

Organizers:

Dr. Panos M. Pardalos

Dr. George Michailidis

<http://caopt.com/CBM2019/>



Informatics Institute  
University of Florida

## **The 6th International Conference on Computational Biomedicine**

A primary goal of the CBM 2019 is to bring together scientists, engineers, mathematicians and patricians from a variety of related disciplines, to exchange ideas and present original research results in the theory and applications of computational biomedicine. It is hoped that most countries will have a delegation to participate this event. The conference will be composed of featured symposia, plenary lectures, invited sessions, and contributed sessions.

For more information, please visit <http://caopt.com/CBM2019/> .

**February 7<sup>th</sup> and 8<sup>th</sup>**

**8:00 AM – 4:30 PM**

**J. Wayne Reitz Union**

**University of Florida, Gainesville, Florida**

We hope to see you there!



**Register**



[www.pathwaystoscience.org](http://www.pathwaystoscience.org)

Education and career training opportunities in Science, Technology, Engineering & Mathematics (STEM)

*SEARCH for a program . . . find your future!*

## **National Student Directory with Pathways to Science**

Students can sign up online to be added to the directory and notified of programs and funding opportunities (NSF, NASA, etc.) relevant to their disciplinary interests and level of study. Directory members receive 4-6 emails per year notifying them of relevant opportunities.

We encourage STEM students to join and many summer research programs find it valuable to forward our sign-up form to their students.

<http://www.pathwaystoscience.org/form.aspx>

## **Attention Computer Science Graduates**

Are you a recent grad looking for a career with a local Software Development company that has an amazing culture and unlimited opportunity for growth in Tampa? Tech USA is currently seeking several **Software Developers and QA Analysts** for **direct-hire** positions with competitive pay and benefits. No formal work experience is required to come be a part of this dynamic and diverse team of people with a passion for development. Our client is a multimillion-dollar leader in their industry known for innovation and changing the status quo.

Don't miss this great opportunity and apply today!

### ***JOB DESCRIPTIONS & REQUIREMENTS***

- Designs, modifies, develops, writes and implements software programming applications
- Supports and/or installs software applications
- Diagnoses issues in software applications and environments
- Participates in the testing process through test review and analysis, test witnessing and certification of software
- Interacts with colleagues and/or partners through a variety of mediums to provide support and understand needs
- Develop various tools and customizations within the core product and to increase day-to-day efficiency
- Maintain infrastructure to ensure smooth operations

### ***QUALIFICATIONS***

- Bachelor's in Computer Science or related field preferred
- Strong desire to learn and grow within a team environment
- Software/Web development experience utilizing object-oriented languages
- Understanding of a Scrum or Agile environment
- Knowledge of Software Development Life Cycle
- Experience with ASP.Net, SQL Server a Plus
- Experience with JavaScript, HTML, CSS a Plus
- Experience with Hardware/Networks/Servers a Plus

For more detailed information or to schedule an interview, please send your resume to Andrew Mastrone at [amastrone@techusa.net](mailto:amastrone@techusa.net) with the subject "Dev/QA".

# HELP SHAPE THE FUTURE OF NAVAIR

## ***WE ARE LOOKING FOR TALENTED PROFESSIONALS TO BE PART OF OUR ELITE TEAM!***

The Naval Air Systems Command (NAVAIR) is the Aviation Branch of the US Department of the Navy. We employ more than 35,000 federal employees in order to provide full life-cycle support of naval aircraft, weapons, and systems operated by the US Navy and US Marine Corps. This support includes research, design, development & systems engineering, acquisition, test & evaluation, training facilities & equipment, repair & modification, and in-service engineering & logistics support.

NAVAIR is organized into eight competencies: 1) program management, 2) contracts, 3) research & engineering, 4) test & evaluation, 5) logistics & industrial operations, 6) corporate operations, 7) comptroller, and 8) counsel.

NAVAIR's primary locations consist of: Jacksonville (Florida), Patuxent River (Maryland), Lakehurst (New Jersey), Orlando (Florida), San Diego (California), China Lake (California), Point Mugu (California), Cherry Point (North Carolina), and Atsugi (Japan).

Applying for federal employment can seem overwhelming, especially if you've only applied for jobs in the private sector. Don't let that deter you from taking the first step towards a fulfilling, challenging, and important career with the NAVAIR.

NAVAIR utilizes DIRECT HIRE AUTHORITY, in an effort to maximize expedient appointment to the various career fields. Applicants are able to directly submit their resumes for consideration. Please submit your resume (include GPA, grad date if applicable), transcripts (if applicable), and any other documents for consideration (DD-214, VA, SF-50, etc.) to the following respective emails for consideration:

- \*include on all emails: [Scott.Gemmill@navy.mil](mailto:Scott.Gemmill@navy.mil)
- 1) For Jacksonville (FL) [FRCSE\\_HRO@navy.mil](mailto:FRCSE_HRO@navy.mil)
- 2) For San Diego (CA) [FRCSW\\_HR\\_STAFF\\_RECRU@navy.mil](mailto:FRCSW_HR_STAFF_RECRU@navy.mil)
- 3) For Cherry Point (NC) [CHPZ\\_FRCE\\_JOB\\_FAIRS@navy.mil](mailto:CHPZ_FRCE_JOB_FAIRS@navy.mil)
- 4) For Patuxent River/Lakehurst [NAWCAD\\_CAREERS@navy.mil](mailto:NAWCAD_CAREERS@navy.mil)
- 5) For Orlando [ORLO\\_NAWCTSD\\_CAREERS@navy.mil](mailto:ORLO_NAWCTSD_CAREERS@navy.mil)
- 6) For all other locations [Scott.Gemmill@navy.mil](mailto:Scott.Gemmill@navy.mil)

Please visit OPM for general position descriptions:

<https://www.opm.gov/policy-data-oversight/classification-qualifications/classifying-general-schedule-positions/occupationalhandbook.pdf>

For Federal resume assistance, please use these websites:

- a. <http://gogovernment.org/how-to-apply/write-your-federal-resume/create-your-resume.php>

b. <https://www.usajobs.gov/Help/how-to/account/documents/resume/build/>

## OUR POSITIONS OF NEED:

Engineers (\*level of need):

- \*\*\*\*\*Electrical Engineers
- \*\*\*\*\*Aerospace Engineers
- \*\*\*\*\*Quality Engineers (Senior Level)
- \*\*\*\*\*Computer Engineers
- \*\*\*\*\*Industrial Engineers
- \*\*\*\*Mechanical Engineers
- \*\*\*Metallurgical Engineers
- \*\*\*Materials Engineers
- \*\*\*Metrology Engineers
- \*\*\*Quality Engineers (Entry Level)
- \*\*Electronics Engineers
- \*\*Systems Engineers
- \*\*Manufacturing Engineers
- \*Chemical Engineers
- \*Process Engineers
- \*Environmental Engineers
- \*Photonics Engineers
- \*Civil Engineers

Computer/IT (\*amount of need):

- \*\*\*\*\*Computer Programmers
- \*\*\*\*Computer Science
- \*\*\*IT Specialist SYSADMIN
- \*\*\*CYBER Security
- \*\*Information Science/Systems
- \*\*Management Information Systems
- \*Network Administration
- \*Customer Support

Aviation Maintenance (\*amount of need):

- \*\*\*\*\*Sheet Metal Mechanics
- \*\*\*\*\*Aircraft Painters
- \*\*\*\*\*Aircraft Mechanics
- \*\*\*\*Quality Assurance (Senior Level)
- \*\*\*\*Aircraft Workers
- \*\*\*\*Metals Inspectors
- \*\*\*Production Controllers
- \*\*\*Maintenance Control
- \*\*\*Tools Attendant
- \*\*\*Aircraft Electrical Workers
- \*\*\*Electronics Integrated Sys Mechanics
- \*\*\*Aircraft Engine Mechanic
- \*\*\*Machine Tool Operators

- \*\*\*Pneudraulic Systems
- \*\*Aircraft Examiners
- \*\*Aircraft Planners & Estimators
- \*\*Welders
- \*\*Quality Assurance (Entry/Mid-Level)
- \*\*Electroplaters
- \*OSHA/Safety

Business/Admin/Finance/Public Affairs (\*amount of need):

- \*\*\*Administrative
- \*\*\*Secretarial/Clerical
- \*\*\*Business
- \*\*\*Contracts
- \*\*Operations Research
- \*International Business/Relations
- \*Finance
- \*Accounting
- \*Marketing/Public Relations
- \*Translators
- \*Human Resources
- \*Digital Design/Audio Visual
- \*Travel/Budget
- \*Training/Curriculum/Instructional Design

Other STEM (\*amount of need):

- \*\*Psychology
- \*\*Behavioral Science
- \*\*Aviation Human Factors
- \*\*Mathematics
- \*\*Physics
- \*\*Unmanned Aviation
- \*Chemistry
- \*Environmental Protection Science

Logistics/Supply Chain/Analytics (\*amount of need):

- \*\*\*\*\*Data Analytics
- \*\*\*\*Supply Chain Management
- \*\*\*Business Analytics
- \*\*Statistics
- \*Political Science
- \*Economics
- \*Transportation

Security/Facilities (\*amount of need):

- \*\*\*\*\*Security Guards
- \*\*\*Facilities/Building maintenance
- \*Civil Engineers