CSE Student Newsletter

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Department of Computer Science and Engineering
University of South Florida
Tampa, Florida
http://www.cse.usf.edu

Dear CSE Students:

Welcome to the fifth newsletter of the Spring 2020 semester.

Message from the UG Advisor: Registration for summer and fall is underway. You absolutely need to register as soon as your time allows. Do not wait for spring grades to post! Check your registration status in OASIS to view the registration time you've been assigned. The CSE advising team is available for scheduled appointments in Archivum. All walk-in hours are available for scheduled appointments in Archivum. This appears to be working well for all CSE students seeking advising. Thank you for working with this new scheduling system. If you have general questions, please use the BlackBoard Collaborate Ultra sessions available (9am-5pm) on the CSE Virtual Front Desk page found in Canvas. If you have an urgent advising question and no appointments are available, contact us with a brief email indicating your question. If you are planning to complete an internship for academic credit over summer, make sure you submit an Industry Internship form and offer letter before registration for Summer C ends. Please send any industry internship forms, independent study forms, supervised research forms, or petitions, to CSEFrontDesk@usf.edu

Reminder, graduation checklists for Fall 2020 were due on April 3rd . If you plan to graduate this summer, don't forget to apply for graduation in OASIS. Spring graduates--the required Exit Survey has been sent. Your responses are due by May 8th. We are all here to help you be successful and to graduate in a timely manner – please do not hesitate to contact us.

Message from the Grad Program Assistant:
• Registration for Summer and Fall has started. Please remember, in order to get approval to take a class outside of your major (even MSIT courses for CS/CP students), you need to submit a **COMPLETED** Plan of Work to me for Dr. Sun's approval. We will not issue a permit until your Plan of Work has been approved.
 • If you plan on taking Directed Research, Thesis, or Independent Study, please remember that you MUST fill out a Graduate Contract, get your professor's signature, and submit it to me. https://www.usf.edu/engineering/cse/documents/independent-study-contract-2017.pdf
• If you are planning to graduate in the Summer or Fall, it is never too early to check your transcripts and make sure you don't have any courses that need to be transferred and that you do not have any "I" or "M" grades. You can access your unofficial transcripts through OASIS.

Attached are announcements for the following (please note that this listing does *not* imply University or Department endorsement):
- USF Career Services Resources: Virtual Job Search Guide
- USF Engineering Expo 2021 Board Application
- USF CSE Voluntary Survey
- USF Operation Technology Department Job Opportunity
- HackDavis API Development Workshop
- Great Minds in STEM Scholarship Opportunity
- North American Network Operator's Group Scholarship Program
- Technology & National Security Fellowship
- Affordit Job Opportunities

Regards,

Ken Christensen
Professor and Associate Chair of UG Affairs

Career Services Resources

Virtual Job Search Guide

For those of you entering the workforce after graduation, we are here to assist you! What does a job search look like in a time of social distancing? It might surprise you to know that it will not be very different from a regular job search. The biggest change will be in the interviewing process, where in-person interviews will most likely be replaced with phone and video interviews. Because some companies may have only a few openings, you must prepare to be competitive in your job search.

We have created a Virtual Job Search Guide with step-by-step instructions to assist you with your job search in these challenging times. Also know that while we may not be able to meet with you in person, you can schedule a phone or video appointment with your Career Consultant so they can support you with the job search process. You can schedule an appointment with your Career Consultant in Handshake or by calling 813-974-2171.

Here are some articles you may want to read:
  Managing Stress in the Job Search
  3 Ways to Keep Your Job Search Active During the COVID-19 Pandemic
  How You Can Find a Job During the COVID-19 Crisis
  Help for Your Job Search During Coronavirus
  COVID-19: Job Market Insights & Job Search Strategies from Experts
  Nine Tips for Networking Virtually
  How to Become Better at Networking Despite the Coronavirus Keep You at Home

Step 1   **Learning What a Comprehensive Job Search Looks Like**
  ● Watch the video, "How to Conduct a Full-Time Job Search"

Step 2   **Where to Begin**
  ● Do you know what type of jobs you are looking for?
  ● Where do you want to work geographically? Are you willing to relocate?
  ● Create a wish list of what you would like your job to offer:
    ○ Salary
    ○ Benefits
    ○ Work Environment

- ○ Chance for upward mobility
- ● To learn more about jobs you can pursue with your degree, try the three tools below:
  - ○ To find out what USF Alumni did with their degrees, follow the instructions in [this document](#)
  - ○ Ask for informational Interviews
    - i. [Background Information About Informational Interviews](#)
    - ii. [200 Informational Interview Questions to Ask](#)
  - ○ View people talking about their careers in [CandidCareer.com](#)
  - ○ To access the tool, "What Can I Do With This Major?," follow the instructions below.
    - i. Go to [www.usf.edu/career-services](#)
    - ii. Select the "Student" tab
    - iii. On the left, select, "What Can I Do With a Major In…?"
    - iv. Scroll down and under, "Major Possibilities," select, "What Can I Do With This Major?"
    - v. Select the major that most closely matches your USF major

Step 3   **Creating Your Unique Brand**
You create your brand in your cover letter, resume, online presence, and in your interview. Create a master cover letter and resume using the tools below and then customize these documents to reflect the jobs you are applying to. If you would like your cover letter and resume reviewed, our [Remote Career Express](#) is open. Email a PDF of your cover letter and/or resume to [CareerServices@USF.edu](#) to have it reviewed. Or, schedule an appointment with your [Career Consultant via Handshake](#).
- ● Watch this video on [Resume Development](#)
- ● [Resume & Cover Letter Examples](#)
- ● [Writing an Objective Statement for your Resume](#)
- ● [Resume Do's & Don'ts](#)
- ● [Cover Letter Do's & Don'ts](#)
- ● Create a [LinkedIn](#) profile [LinkedIn Checklist](#)
  - ○ Add a professional picture of yourself on LinkedIn
  - ○ [Tips for Taking a Professional Self-Portrait While Social Distancing](#)
- ● Complete your profile in [Handshake](#)

Step 4   **Find Jobs**
You can search for employment using the online tools below. There are other online search engines specific to an industry, ask your Career Consultant for other online resources. Networking has proven to be the most effective way to learn about job openings. See articles at the top of the document for networking during times of social distancing.
- ● [CareerShift](#)
- ● [Handshake](#)
- ● [Intro to Networking](#)
- ● [Networking Tips for Introverts](#)

Step 5   **Track Your Job Search**

It is sometimes difficult to keep track of all of the jobs you have applied to. Open the link below to track the progress on your job search. Download this document into an Excel spreadsheet.

- [USF Job Search Log](#)

Step 6   **Prepare for the Virtual Interview**

If your cover letter and resume are working for you, you will be invited for an interview. Use the tools below to prepare for this interview.

- Video, [Mastering the Interview Process](#)
- [Interview Basics](#)
- [Big Interview](#) (Best online preparation for video interviewing!)
- [Guide to Employer Research](#)
- [Elevator Speeches](#)

Step 7   **What to Do When Offered a Position**

You can ask for time to think about the offer. You can also ask if the salary is negotiable. Most applicants don't do this and miss out on a potentially higher salary. Know what the going rate is for that position and for the geographic location. Below are tools to assist you in learning this information.

- [America's Career Infonet](#) (Salary Calculator Information)
- [NACE's Salary Calculator Center](#)
- [Fearless Salary Negotiation](#)
- [How to Negotiate Salary: 37 Tips You Need to Know](#)
- [Three Practical Tips for Salary Negotiation](#)
- [Big Interview](#) also has a tutorial on salary negotiation

Engineering Expo 2021 Board Application

We invite students from all colleges to apply for the 2021 USF Engineering Expo Board!
This is a unique way to get involved, gain leadership experience, and provide an
amazing service to our community.
Interviews will take place April 27 - May 1, 2020. Potential candidates will be contacted
by email to schedule an interview time. Applications due April 24, at midnight.
Please send any questions to Valentina
Salcedo vsalcedo@mail.usf.edu or usfexpo.general@gmail.com

Application: https://docs.google.com/forms/d/e/1FAIpQLSeI_QUz14ldzTR7Y_iW-rxi9VEhqZabLAIgL4A7dZkbpbRYGg/viewform

Hello,

My name is Sayde King and I am a PhD student in the USF College of Engineering, Department of Computer Science and Engineering. We are seeking individuals 18 years old or older to participate in an online survey to gain new insight on participant compensation for in-lab and out of lab data collection procedures for ubiquitous sensing research.

The various sensors that you may interact with on a daily basis, such as cameras, microphones, those found in your phone such as an accelerometer for capturing movement, have significant applications across several domains. Example applications range from smart healthcare to emotion recognition. To study these applications, it's often required that researchers have access to a diverse participant pool that interacts with these sensors in controlled environments such as a research lab and in more natural settings outside of the lab.

We are particularly interested
in gathering information about the appropriate compensation amounts that potential participants feel is most appropriate for these data collection procedures. We will gather your input via an online survey. It should take no more than 5 minutes to complete.

This study is considered minimal risk and your participation is voluntary. Although there is no compensation for completing the survey, we greatly appreciate your efforts should you decide to participate. You may decline or withdraw from participation at any time without penalty. Although we will collect demographic data such as gender and age, we will not collect personally identifying information.

To Participate:
If you are a USF student, is 18 years old or older, and would like to participate, please click on the following link: https://usf.az1.qualtrics.com/jfe/form/SV_7WgYhYF6BGECXeR

For more information, please contact Dr. Tempestt Neal at tjneal@usf.edu or 813-396-9353.

If you are not eligible, please feel free to forward this email to others that may be interested.

This study is approved by USF IRB Pro# STUDY000019.

Sincerely,

Sayde King

Now Hiring!

Do you have an interest in the following...

- Mulesoft
- Java
- .NET framework
- Computer Hardware
- Building Web API's

- Systems Integration
- General Software Development
- Agile
- Controls Systems
- SQL, MSSQL and Oracle

Apply now!

Scan the QR Code or send your resume to Brittany Castellano at bcastell@usf.edu for a chance to learn on the job and get paid!

Hourly Wage: $11.50

Duties:

This position will assist the Operational Technology department with technical support for various building control systems. Seeking a detail-oriented, self-motivated student that will be available for a year or more. This position will interact with customers and other employees on a daily basis and must be able to communicate and listen effectively in order to diagnose issues, assist customers, and work in a team environment.

This position will assist technicians with maintenance and repair of various field electronics, sensors, and devices. The ability to troubleshoot technical issues and solve common problems is necessary.

This position requires a broad background in computer hardware and software, with potential to learn specific control systems. Experience with Microsoft Windows, Microsoft Office, and common productivity software is required. Experience with SQL and common programming languages is preferred.

Average Number of Hours per Week: Hours are flexible, but an average of 20-25 hours per week is required. A valid Florida driver's license is required.

Standard Learning Objectives:

As a result of this position, student will be able to:

- Demonstrate basic employability skills such as: timeliness to work, appropriate dress, interpersonal communication, and time management
- Receive and solicit feedback from supervisor and effectively apply feedback on the job
- Assess workplace and demonstrate how personal talents, skills, and knowledge fit into the employer's goals, mission, and vision
- Demonstrate his or her professional brand (identity)
- Communicate transferable and functional skills to prospective employers

Bit Project

About Us

We are building a network of students around the world who contribute to open source tech education, where everyone works together to make abstract and technical concepts accessible for students from underpriviledged communities.

Introduction to API Development Workshop

HackDavis

We believe in a world where technical education is free and accessible for all.

We develop powerful and engaging educational experiences written by students for students. We use the power of collaboration and the expertise of students all around the world to inform and improve our curriculum.

<Fully Remote/>

Enabling Collaborations from Passionate Students Around the World.

By running our operations completely remotely, we provide anyone with a passion for education with an opportunity to contribute to our educational resources.

Everyone, no matter where they are in the world, has the same opportunities to contribute to our growing arsenal of fun, interactive technical learning experiences.

Github

All of our teams use GitHub to collaborate publicly on projects

Slack

We use Slack as the primary tool to communicate.

Zoom

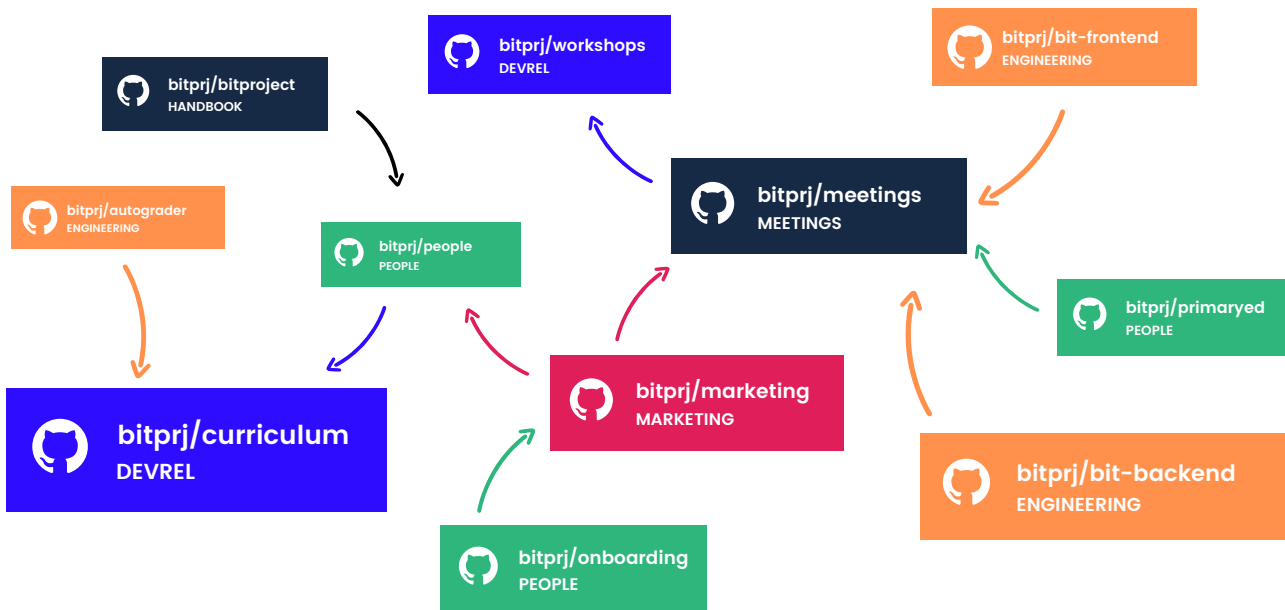Smile 😊 All of our meetings are conducted online via Zoom.

Donuts

Meet and Grab a virtual donut with Peeps all over the world.

Open Source Handbook

Our Guide to Operating Fully Remote

about.bitproject.org

The future of education is

<Open Source />

Applying open source principles and workflows to education is one of the best ways to create a sustainable ecosystem of high-quality curriculum spread across the world.

bitprj/bitproject
HANDBOOK

bitprj/workshops
DEVREL

bitprj/bit-frontend
ENGINEERING

bitprj/autograder
ENGINEERING

bitprj/people
PEOPLE

bitprj/meetings
MEETINGS

bitprj/primaryed
PEOPLE

bitprj/curriculum
DEVREL

bitprj/marketing
MARKETING

bitprj/bit-backend
ENGINEERING

bitprj/onboarding
PEOPLE

Everyone Can Contribute

We welcome **contributions both big and small** to incorporate diverse perspectives

Transparent Culture

Our culture of **absolute transparency** reduces the threshold to contribution and make collaboration easier

Decentralized Curriculum

Collaborators work together iteratively to make sure there is **no single point of failure**

Bit Project

Written through collaborations between contributors all around the world, our curriculum is made **for students** by students

Bit Project empowers students to contribute to open source, become better communicators, and gain practical and hands-on experience working in diverse, interdisciplinary teams.

Passionate about education and looking to gain technical experience?

We are looking for **passionate, hard-working developers** to create interactive technical learning experiences for students from various backgrounds.

Interested in growth marketing to make open source accessible?

We are looking for **marketers**, **writers** and **designers** to expand our open source, collaborative initiative to communities around the country.

Looking to collaborate as an organization?

We partner with organizations around the world to **curate, produce, and hold** interactive technical learning experiences.

bitproject.org/join

Great Minds in STEM has a scholarship for undergraduate and graduate students. The deadline has been extended to May 1. In addition to getting the scholarship, recipients get to go to the GMiS conference (expenses paid).

Deadline: May 1
Link: http://www.greatmindsinstem.org/scholarships/

Basic Scholarship Requirements:

- Applicants must demonstrate merit through academic achievements, leadership and campus/community activities
- Applicants must be pursuing a **science, technology, engineering or math** degree
- Applicants must have an **overall minimum GPA** of **3.0 or higher on a 4.0 scale**
- Applicants must be of Hispanic descent **and/or** must demonstrate significant leadership or service within the underserved community
- Recipients must be enrolled in a STEM undergraduate or graduate program for the upcoming fall semester, at an accredited 2-yr or 4-yr college/university in the **U.S. or its territories**.

Scholarship Recipients Will Receive:

- A merit-based scholarship ranging in amounts from $500 to $10,000. Information on the types of available scholarships can be viewed **here**.
- Listing in the GMiS Scholars press release
- Transportation support to the annual GMiS Conference, where Scholars are presented with their scholarship by the sponsor. The **2020 GMiS Conference will continue to be held at** *Disney's Coronado Springs* **Resort in Lake Buena Vista, FL from October 7 – 11, 2020**. Scholars will be provided travel beginning Wednesday, October 7.

Application Materials:

- Application
- Personal Statement addressing a topic determined by Great Minds in STEM.
- Resume
- One Peer Letter of Recommendation from a friend, classmate, lab partner, roommate, teammate, or fellow member of a campus or community organization
- One Faculty Letter of Recommendation from a faculty, teacher, mentor, advisor, counselor, principal, dean, or MEP Director
- Official Transcript with the imprinted seal of your college or high school (Transcripts must be in English). Transcripts **must** indicate a **cumulative GPA based on a 4.0 scale.**
- Self-photo (used for publication purposes only)

Application Submission Process:

- Complete the online GMiS Scholarship Application Form and submit your personal statement, resume, letters of recommendation, official transcript(s) and photo.
- Documents must be uploaded by **11:59 PM PST on May 1, 2020.**.

Selection Process:

- Upon submission, an auto-confirmation page will be displayed verifying receipt of your application. If you did not receive this confirmation page, then you did not successfully submit your application. This confirmation page is your only record of submission.
- Incomplete applications will not be processed. Applicants **WILL NOT** have the opportunity to submit materials that are missing.
- Students selected as scholarship recipients will be notified, by email, in August. No other notifications will be made.
- Please do not call the office during the review period from May 1 – September 30 to check on the status of your application

North American Network Operators' Group Scholarship Program

The North American Network Operators' Group (NANOG), is the professional association for Internet engineering, architecture and operations. Our core focus is on continuous improvement of the data transmission technologies, practices, and facilities that make the Internet function. In an effort to support the next generation of network operators, NANOG has established a scholarship program to assist current undergraduate and graduate-level students pursuing a degree in one of the eligible fields listed below.

This program is administered by Scholarship America®, the nation's largest designer and manager of scholarship, tuition assistance and other education support programs for corporations, foundations, associations, and individuals. Awards are granted without regard to race, color, creed, religion, sexual orientation, gender, disability, or national origin.

**The program deadline to submit your application is 3:00 p.m. Central Time on May 15, 2020. However, the Sponsor reserves the right to close the program earlier when 50 applications have been received. Students are encouraged to apply early.

Link: https://learnmore.scholarsapply.org/nanog/

Deadline to apply: May 15, 2020 3:00 pm CT

Eligibility:

- Be a current post secondary undergraduate or graduate student who is pursuing a degree in one of the following fields of study:
  - Computer Engineering
  - Computer Science
  - Electrical Engineering
  - Network Engineering
  - Telecommunications (at the graduate-level only)
- Plan to enroll part-time (at least six credits) or full-time in undergraduate or graduate study at an accredited two-or four-year college or university for the entire 2020-2021 academic year.
- Have a minimum grade point average of 3.0 on a 4.0 scale (or its equivalent).
- Each recipient of the scholarship agrees to allow the use of their biographical and academic information in publications of the university and NANOG respectively.
- Be a legal and permanent resident of the United States.

Technology & National Security Fellowship

Overview

The Technology and National Security Fellowship is an opportunity for technologists and entrepreneurs to serve their country by embedding with key decision makers at the top levels of the U.S. Government to help advise on the critical intersection of national security and technology.

Participants

The Technology and National Security Fellowship recruits applicants on an annual basis for a Fellowship placement, which occurs from August-August each year, beginning with the inaugural cohort from August 2020-August 2021. NSIN recruits Fellows with STEM backgrounds and technical expertise to be embedded in the offices of key decision makers at the Department of Defense and on Capitol Hill. Throughout the yearlong program, Fellows will directly support policy makers and their immediate staff to help provide technical expertise and advice to a variety of critical subject areas. TNSF is open to U.S. citizens with an undergraduate or graduate degree in a STEM or STEAM field. Participants can possess a diverse skill set ranging from software development to policy research.

Host Offices

The Technology and National Security Fellowship is meant to address a technological knowledge gap that the offices of most top-level policy makers face. In Congress, Fellows will be placed in the member offices or embedded with committee staff of one of the four relevant defense committees across both chambers of Congress. Fellows assigned to the Pentagon will be placed in the offices of senior defense officials in the Office of the Secretary of Defense, or in the offices of senior leaders throughout the Military Services. Once selected, Fellows will be placed in an office that best fits their unique skillsets.

Key Dates for Current Cohort (August 2020-August 2021):

April 6, 2020: Application Window Opens
May 1, 2020: Application Window Closes
May 29, 2020: Fellows Notified
July 2020: Fellows Matched with Host Offices
August 10, 2020: Fellowship Begins

Application/Next Steps

Interested applicants can apply by visiting https://airtable.com/shrEkSJ6136SmryiK.
For more information, or to learn how to host a TNSF Fellow, email tnsf@nsin.us.

More About NSIN

The National Security Innovation Network (NSIN) is a program of the U.S. Department of Defense (DoD) that collaborates with major universities and the venture community to develop solutions that drive national security innovation.

We operate three portfolios of programs and services: National Service, Collaboration, and Acceleration.
Together, these portfolios form a pipeline of activities and solutions that accelerate the pace of defense innovation.

info@nsin.us | nsin.us

affordit.

NOW HIRING

Looking for
Evolutionary Heroes!

Make a difference, challenge yourself, and build a career you can be proud of.

Current Job Openings:

Data Scientist
A Data Scientist collects and builds data products and models to extract valuable business insights and solve business problems, then presents information using data visualization techniques.

Business Analyst
A Business Analyst works directly with organizations, business clients, and project teams to gather and analyze business requirements and create clear and concise functional and system specifications.

Software Engineer
A Software Engineer designs, develops, implements and tests the applications along with evaluation of the product based on the requirements of the client.

Apply Online today at:
affordit.com/careers