Dear CSE Students:

Welcome to the sixth newsletter of the Spring 2020 semester.

Message from the UG Advisor: Congratulations to those of you graduating at the end of the spring 2020 term. Remember, that your exit surveys are due by May 8th! Continuing students: by this point you should be registered for your summer and fall courses. All CSE undergraduates have been contacted to ask if you have a full schedule and need registration help. Thank you for your responses. At this point, I do not expect any further planned changes to summer courses caps as we have met all student needs for full schedules (there are still about a dozen exceptions out of almost 1000 students and I am working with those individuals). All advising is being conducted online. You will find details about advising availability on the CSE website. Please monitor the CSE website and the USF Coronavirus Updates page.

Message from the Grad Program Assistant:

• The last day to register for summer sessions A and C without a late fee is May 15. Add/drop week for summer sessions A and C ends on May 22.
• 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 a student in the BS/MS Accelerated Program and you are graduating in Spring 2020, you do need to submit the progression form in order to be admitted into the master’s degree. Please email me (jlpruitt@usf.edu) for details.

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

• CSE Exit Survey
• Student Innovation Incubator: Entrepreneurship Resources
• NSF Graduate Research Fellowship Info Session
• Brandeis University Computational Linguistics MS Program
• Part-Time Research Assistant/Android Developer Opportunity
• Harwood Financial Group Internship Opportunity
• MindSumo Challenges: COVID-19
• API Workshop with Bit Project
• Google Student Newsletter
• Mission Readiness Webcast Series on AI

Regards,

Ken Christensen
Professor and Associate Chair of UG Affairs
Dear CSE student(s),
I hope that you and your families are well. I want to remind you about the exit survey graduation requirement due by May 8th. The exit survey we are emailing about is not to be confused with the Oasis survey that you may have done a few months back at the beginning of the semester. Please refer to the 2019/2020 Undergraduate Catalog pages 542, 547, 552, and 568 (for Computer Engineering, Computer Science, Cybersecurity, and Information Technology, respectively). This is a separate catalog requirement for all graduating CSE students. We have made it easy for you to satisfy this requirement with an online exit survey. Here below are the links for each of our majors, please only complete the survey that corresponds with your major. If you are a dual major then, yes, you need to complete two surveys.

Computer Science:
https://usf.az1.qualtrics.com/jfe/form/SV_3JiXK1Ml6u1pwR7

Computer Engineering:
https://usf.az1.qualtrics.com/jfe/form/SV_6yBLFw9Yo3cv7GR

Information Technology:
https://usf.az1.qualtrics.com/jfe/form/SV_6AwFtDkWKiGFMy

Cybersecurity:
https://usf.az1.qualtrics.com/jfe/form/SV_0Jqkfqg3Z82LT2B

***The deadline for completing this survey is May 8th at 5pm.***

Please note that the survey is not submitted until you see this screen.

If you have any questions or want to confirm your graduation status, do not hesitate to contact me. If you are no longer planning to graduate at the end of spring, please let me know. We recognize that the Covid-19 pandemic may have caused some unforeseen disruption and resulted in changes to your plans. We are here to help you as best as we can.

Take care and be safe.

Sincerely,

Mayra Morfin
Undergraduate Program Specialist
Department of Computer Science and Engineering
University of South Florida
(813)974-2274, ENB 342G
STUDENT INNOVATION INCUBATOR

DO YOU HAVE A STARTUP IDEA?

Get access to business development, coaching & mentoring, office space, SBDC bootcamp, Student I-Corps series and many catalysts to grow your business

Deadline: September 25, 2020
Scan or click the code to APPLY
For more information: aigerim1@usf.edu
Begin Your Journey to the National Science Foundation Graduate Research Fellowship!

The NSF seeks to fund future STEM leaders who are motivated to tackle society’s toughest challenges through research and innovation. Awardees receive a generous stipend, tuition for graduate school, professional development, and more!

Join us for an Information Session!
May 7th | 2pm EST
tinyurl.com/NSFGRFPInfo

ELIGIBILITY
- Senior Undergraduates and 1st - 2nd year Graduate Students in STEM fields
- US Citizen or Permanent Resident
- Strong academic record
- Demonstrated excellence and leadership in research and community/civic engagement

APPLICATION TIMELINE:

Step 1 - PLAN
May - June
- Learn about GRF
- Brainstorm
- Conduct Lit. Review

Step 2 - CREATE
July - August
- Start Writing
- Complete First Drafts
- Communicate with Adviser

Step 3 - REFINE & APPLY
September - October
- Obtain Feedback
- Request References
- Submit!

Contact
Dr. Sayandeep Basu
(Office of National Scholarships)
Dr. Kiri Kilpatrick
(Office of Graduate Studies)
Computational Linguistics MS program at Brandeis University

Dear Students,

I hope this message finds you safe and well during this challenging time. As the Director of Graduate Studies for the Computational Linguistics MS program at Brandeis University, I would like to share with you a special opportunity to apply to enter our Master's program in fall 2020. We are accepting applications through May 31st, and we are looking for a group of talented, diverse students to be included in our cohort. To help you decide whether our program would be a good fit, I’d like to share the following information with you:

What is Computational Linguistics?
Computational linguistics is a growing field that is involved in areas including artificial intelligence, speech recognition and synthesis, machine translation, and big data. The Brandeis Computational Linguistics MS program is a specialized degree offered by the Computer Science Department. It's a two year degree that is programming-intensive, and includes a number of background, core and elective courses in computational linguistics/natural language processing, as well as an exit requirement (a master's thesis, internship, or capstone project). Graduating students have access to a broad alumni network, and have an excellent placement rate at companies including Google, Amazon, Facebook, Adobe, IBM, Partners Healthcare, Athena Health, QPID Health, and more – as well as in PhD programs. You can learn more about our program here: https://www.brandeis.edu/computer-science/computational-linguistics/index.html.

We are looking for students who have:

- Grades in the A and B range
- Strong interest in languages (no prior linguistics coursework or knowledge of individual foreign languages is required)
- Strong interest in computer programming and quantitatively-oriented work (prior programming and mathematics coursework is helpful, but not required)

Application Information:

- Application Deadline: May 31st, on a space-available basis (applicants are encouraged to complete their applications as soon as possible)
- Enter the code CL2020 to have your application fee waived by following these instructions.
- Required Materials: personal statement, transcript, resume, 2 letters of recommendation. Here is the application page.
- Note: Students are generally required to submit GRE scores, but please let us know if you are unable to schedule the GRE, including due to the COVID-19 situation; we may be able to waive the requirement for students with strong coursework in computer science and/or mathematics.

If you have any questions about the program or would like to learn more, please email: sciogradoffice@brandeis.edu and clms@brandeis.edu.

All best wishes,

Lotus Goldberg
Opportunity for a Part-Time Research Assistant/Android Developer

The USF Positive Aging Lab is seeking an Android Developer with experience working with a multidisciplinary team of scientists and engineers in a user-centric design environment to build a groundbreaking Android/Web Application for individualized music preference assessment, delivery, and engagement tracking.

**Responsibilities**

- Participate in a digital technology project from concept to implementation, and through all phases of the software development lifecycle
- Conduct business and marketing research to inform the design and market positioning of the app
- Interact with key stakeholders (consumer advisory panel, senior engineers, business advisors) to develop and refine product specifications and scope
- Complete development assignments on time with high quality to support project efforts
- Assist with usability testing of prototypes (task completion, navigation, content, layout/design, and communication)
- Other relevant activities

**Required Technical Skills**

- 1+ years of combined software/application development experience in Java/Android Studio development
- Created an application that is available in Google Play/Amazon App store(s)
- Experience in developing, deploying, and/or supporting a web/mobile application
- Experience with all phases of the development life cycle

**Desired Skills**

- Familiarity with Agile development including scrum and iteration reviews and planning
- Experience with unit testing frameworks
- Experience with music, meditation, or integrative health application development
- Experience with PostgreSQL, Elasticsearch, NLP, ML

**Requirements**

- 1+ years’ experience designing and implementing web/Android applications
- Excellent written and oral communication skills
- Degree in Computer Science or related degree from an accredited university or four years equivalent development experience. Exceptional undergraduate students will be considered.

Applicants should send a resume with a cover letter outlining relevant experience to Ms. Hillary Rouse, Manager, Positive Aging Lab (hrouse@usf.edu) for further considerations.
IT Internship Opportunity
HARWOOD FINANCIAL GROUP

Basic Responsibilities
* Check existing systems and suggest improvements.
* Develop new systems to increase company efficiency.
* Apply tech solutions to strengthen procedures.
* Advise on suitable hardware and software to meet company needs.
* Acquire, install, test, and maintain project components and operating systems.
* Review the security requirements of company data.
* Customize systems from external vendors.
* Recommend equipment replacements, plan for upgrades, and handle purchases.
* Perform routine systems and software audits.
* Recommend equipment replacements, plan for upgrades, and handle purchases.
* Address system concerns and troubleshoot hardware failures.
* Maintain an inventory of hardware and software licenses.
* Manage and monitor LAN or WAN network services.
* Maintain an inventory of network devices.

Experience
Bachelor’s degree in computer engineering, information systems or a diploma in an IT or application development discipline. Solid experience in project life cycle management is highly desirable as well.

Competencies
Candidates must have good communication and interpersonal skills, allowing them to coordinate with team members in project management, security, customer service, marketing and analytics departments. Excellent conflict resolution, analytical, and decision-making skills are crucial to this position. Project management is a plus.

Please contact James McCormick james.mccormick@harwoodfinancialgroup.com for more information
MindSumo Challenges: COVID-19

MindSumo is an EduTech crowdsourcing startup that bridges the gap between large corporations and the Millennial/GenZ generations via innovation, insight and research projects. We have worked with over 350 companies in the past - everyone from Walmart, Amazon, Google, Facebook to Unilever, Spotify, Kellogg's and Disney to name a few.

We have a couple of exciting challenges up on MindSumo for your students to solve while they take classes from home. Two of the challenges are specific to Covid19.

Universal Music Group - During social distancing, how can technology bring artists and fans closer together?
https://www.mindsumo.com/contests/umgcovid19

How has COVID-19 impacted your education and financial situation?
https://www.mindsumo.com/contests/covid-impacts-on-students

How can digital solutions improve our process for contact tracing?
https://www.mindsumo.com/contests/contact-tracing

Our friends at IBM reached out to us to tell us about their new platform Open P-TECH. Students can take free online classes in things like block chain, design thinking, AI amongst others. You can review it here: https://www.ptech.org/open-p-tech/

Would you please forward my note to students and professors you think might be interested in these projects and IBM’s new platform?

Feel free to reach out to me (isha@mindsumo.com) if you or your students have any questions. Hope to see many of your students participate.
Fighting COVID-19 with APIs and Big Data

Hosted By Bit Project

Learn how to use APIs to access and process public health data for your next big project!

Free for Everyone, Everywhere

May 21st, 2020 | 6pm

Read More bitproject.org/covid19
We may be apart, but we’re staying connected

Here at Google, we’ve been so inspired to see all the ways communities across the world have come together. What’s even more incredible is how we’re discovering new ways to stay connected and develop skills. We’re hopeful you find the resources included in this month’s edition of the Google Student Newsletter useful and encouraging.

If you’re new to studying from home, check out the advice on how to stay productive at home down below. Take a deep dive into the skill-building section where we’ve highlighted ways for you to gain programming practice, such as Grow With Google and Kick Start.

We’ll be back next month to share more opportunities, in the meantime consider joining Connect with Google and let us know if you have any questions at techstudents@google.com.

#STAYHOME

Even when we’re apart, there are a million things we can do together.

Watch the video below to see the many ways our communities are staying connected at home.
Staying Productive at Home

We’ve compiled some tips to make working and studying from home, well...WORK! Read a more in depth guide here for creating a good workflow.

Designate your “spot” where you work (and where you don’t).
Shift your schedule to match your energy.
Create your daily to-do list the day before.
Finish that one thing you’ve been meaning to do.
Cut yourself (and others) some slack.

Or check out our YouTube Live playlist providing Tips for Studying At Home

Kick Start 2020, A Global Coding Competition

Join the fun with Round B on April 18!

Kick Start is one of our global online coding competitions, offering programmers of all levels the opportunity to hone their skills through a series of exciting algorithmic and mathematical problems designed by Google engineers! Whether you’re interested in learning more about coding competitions, growing your coding abilities, prepping for an interview, or simply having fun, Kick Start offers something for everyone!

How to prepare?
Try your hand at past problems.
Join our Facebook group — ask questions and get helpful tips from fellow coders!
Check out our YouTube playlist where you’ll find helpful prep videos hosted by Google engineers.
Each round starts fresh, so you can participate in any and all upcoming rounds. Click the video below for tips on getting started. The second round is on April 18, add the round to your calendar so you don’t forget. Learn more and register today at g.co/kickstart

Skill-Building

Grow with Google

Grow with Google is a source that provides free training, and tools to help you grow your skills, career, or business. and prepare for the career you want by learning new skills.

- Learn digital basics through everyday problem-solving
- Enhance your resume with a G Suite certification
- Accelerate your IT skills with Python
- Improve your business and marketing skills with five-minute lessons

Prep for an interview

- Check out this video for tips from Google software engineers
- Learn by example when you listen in on this mock technical phone interview,
- Read this article for more guidance on data structures and algorithms interviews.

Learn a new skill

Machine Learning Crash Course
Google's fast-paced, practical introduction to machine learning features a series of lessons with video lectures, real-world case studies, and hands-on practice exercises.

Cloud Computing
Apply what you’ve learned by building apps and deploying services on major cloud providers, including Google Cloud platform. Explore topics such as developing apps, utilizing infrastructure, and working with data and machine learning in the cloud.

Discover a new path
Google Cloud and Pluralsight, a technology skills platform, have partnered to provide students with access to two **free** Google Cloud learning paths: Architecting with Google Compute Engine and Data Analytics on Google Cloud. This offer can be **redeemed until May 8, 2020.** For more information, please check out the website.

**For Faculty**
Teach From Home is a temporary hub of information and tools to help teachers during the COVID-19 crisis.

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**Thank You Healthcare Workers 💚**

We’re all in this together. We at Google wanted to share our gratitude towards our healthcare workers across the globe. Click the [video](#) below to see more.

You can also read about how Google is helping the global community get the right information in the face of the COVID-19 pandemic on our [blog](#), and a follow up [here](#).

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**Google Opportunities**

Visit [google.com/students](#) for programs and opportunities

**Full-Time Opportunities at Google**

- Software Engineer, PhD, Embedded Systems
- Software Engineer, PhD, Infrastructure
- Software Engineer, PhD, Security and Privacy
- Stadia Partner Engineering Technical Solution Engineer, University Graduate
  - Opportunity in Canada only
- Privacy Engineer, University Graduate
  - Want to know more about Privacy Engineering before you apply? Check out our recent Google Students YouTube Live video— [Privacy Engineering @ Google](#)!
Role Spotlight

**Stadia Partner Engineering Technical Solution Developer, University Graduate**

Stadia Technical Solutions Engineers make up the frontline of Stadia cloud gaming development. In this role, you'll work closely with both external game developers and internal engineers to resolve technical issues related to our Stadia gaming platform. This role will give you the opportunity to get hands-on with many of Stadia's technologies and will let you see firsthand what game developers have to do to get their games up and running and performant.

**Ready to apply?** Submit your application [here](#)! Applications are evaluated on a rolling basis, so apply now before the opportunities are filled.

*Links are live during the application window, applications are reviewed on a rolling basis, and we strongly encourage students to apply early.*

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**Developer Student Clubs**

Google is looking for students to be leaders on campus for the Developer Student Clubs program.

DSCs are university based community groups for students interested in Google developer technologies. Students from all undergraduate or graduate programs with an interest in growing as a developer are welcome. By joining a DSC, students grow their knowledge in a peer-to-peer learning environment and build solutions for local businesses and their community.

To open a DSC chapter at a university, students may fill in the interest form at [goo.gle/dsc-leads](#) by May 15, 2020 at 11:59pm PT.

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**Continue to Connect with Google**

Connect with Google (CwG) is a virtual program for students designed to help us stay in contact with you in a meaningful way. It gives you the opportunity to stay connected to Google, develop marketable industry skills, build a professional network, and stay up to date on the latest announcements & opportunities. As a CwG member, you can also participate in our [social community on slack](#). This is a great way to develop connections with other future technologists and join the conversation more broadly.

Join Connect with Google at: [goo.gle/CwG](#)
America's intelligence collectors are already using AI in ways big and small -- to scan the news for dangerous developments, send alerts to ships about rapidly changing conditions and speed up the NSA’s regulatory compliance efforts. But before using AI to its full potential, it must be hardened against attack.

Tune in for Powering Mission Readiness on April 27, the first of three installments in this webcast series, to hear technology experts discuss how AI can transform national security, government operations and the public sector workforce.

Featured Speakers

TERRY BUSCH
Division Chief, Integrated Analysis and Methodologies Division, Directorate for Analysis
Defense Intelligence Agency

ALEXANDER MILLER
HQDA G-2 Senior Advisor for S&T
Army

NAND MULCHANDANI
Chief Technology Officer, Joint Artificial Intelligence Center
Department of Defense

DR. MIKEL RODRIGUEZ
Decision Science Innovation Area Leader
MITRE

PATRICK BILTGEN, PH.D.
Director, Analytics and Data Services
Perspecta Inc.

With PATRICK TUCKER, Technology Editor, Defense One