Thank you for taking the time to peruse the inaugural issue of this quarterly digest. The HSI Faculty Summit team is pleased to provide you with this exclusive content for alumni attendees of the HSI Faculty Summit in Los Angeles.

**HSI Faculty Summit Photos**

We had a photographer join us for two days of the Summit and we've shared a link to a zip drive in the December 7th email. Below are a few of our favorites!
Open Roles

While the deadline for internship applications has passed, we would love for you to highlight some of our open full-time roles to your students. Most of our available opportunities for technical students are within our software engineering teams. Students can check out our full-time roles and all other opportunities at google.com/careers/students. They can also apply directly through the links below.

If you work with seniors graduating with a degree in Computer Science we strongly encourage you to direct them to the Engineering Residency Program!

Software Engineer (BA/BS/MS)  
Software Engineer (PhD)  
Engineering Resident  
Information Technology Residency Program

Computer Science Summer Institute Extension (CSSIx)

As you might remember from the Programs Fair at the Summit and the presentation from LMU students, CSSI-Extension is inspired by Google’s long standing CSSI program, but independently run by university faculty on their college campus in partnership with Google. CSSI-Extension exposes rising freshmen to key computer science (CS) concepts. Over three weeks they are given the knowledge and tools to tackle challenging CS problems, culminating in a team project to create an application that they present to their cohort.

If your university is interested in becoming a CSSI-Extension site, fill out an application (application link) for our team to review!

Spread the word about Scholarships

At Google, we believe information should be universally accessible. Our education and scholarship programs aim to inspire and help students become future leaders in computing and technology by breaking down the barriers that prevent them from entering these fields. If selected, scholarship recipients will each receive a $10,000 scholarship for the 2018-2019 academic year and be invited to attend the annual Google Scholars' Retreat at the Googleplex next summer.

Please see below for a list of open scholarships:

Women Techmakers Scholars Program (formerly known as the Google Anita Borg Memorial Scholarship) is open to current female undergraduate or graduate students who will be studying at a university in the United States or Canada for the 2018-2019 academic year. **Deadline: December 11, 2017**

Generation Google Scholarship is open to current undergraduate or graduate students from an underrepresented background in computer science who will be studying at a university in United States or Canada for the 2018-2019 academic year. **Deadline: December 11, 2017**

Google Lime Scholarship is open to current undergraduate or graduate students with disabilities who will be studying at a university in United States or Canada for the 2018-2019 academic year. **Deadline: December 10, 2017**
Applied CS with Android

Applied CS is a free online course by Google designed to prepare you for your CS career through hands on coding experience. Starting a program at your school is easy, flexible and free. We provide resources like videos and unit guides to make our program accessible and easy to run. Check out how HSI Cal State Los Angeles leveraged the Applied CS Resources. For further questions please reach out to Sarah Henderson at hendo@google.com or visit g.co/cswithandroid.

igniteCS

igniteCS aims to Spark passion for computer science by getting students to volunteer in their community. Do you know students who are passionate about Computer Science and eager to share that passion? Encourage them to form a team and sign up for igniteCS! The experience will foster a stronger sense of community on campus too, and allow students to practice valuable skills that can be helpful in future careers. Learn more at g.co/igniteCS.

Session Follow-Up: Supporting K12 and Latinos in CS Education

As a follow up to EngEdu Director Mo Fong's presentation we wanted to share some of the key research takeaways from the session. This report highlights the state of CS education for Latino students, who make up nearly one-quarter of the U.S. K-12 student population. More information on our research on CS Education can be found at g.co/csedu

Session Follow-Up: Interview and Curriculum Recommendations for Software Engineering Preparedness

One of our liveliest sessions was Jenn and Pierre’s presentation on recommendations for curriculum progression and preparing students for interviewing for software roles. Your feedback was invaluable and we are working on incorporating it into future iterations of this presentation. Here is a link to a recording of a similar session. The specific curriculum guidance covered during our session is located within the Case Study section. Note: We ask you to please not post these slides publicly. Students are welcome to view our Google Students Youtube page for similar information on resume and interview tips as well as an interview demo.

We also wanted to share the link to the Tech Dev Guide mentioned in the session. It features a wide range of SWE education resources and is available to share with students and other faculty through this URL: g.co/techdevguide. It includes:

- A whole new section for CS faculty with information and tools.
- Applied CS can also be found within the guide. All the content is fully open-sourced, so university faculty are free to use the content that offers students the opportunity to apply concepts from Data Structures and Algorithms coursework through Android game programming.
- Curated paths to help students at different levels strengthen their coding skills
- More links to interview prep resources, and 6 former coding interview questions for students to practice with
Google is interested in learning more about the machine learning courses at your university, how students are learning about machine learning, and any progress you’ve already made towards incorporating machine learning into your course materials. This information will be used to determine what machine learning resources would most benefit both you and your students and if you are interested in hearing more about future ML resources and programs we have to offer. Please take a moment to complete the following survey: https://goo.gl/forms/80aafpY9Ez7gy3Vy1

If you have any questions, please email Tina Ornduff at tinao@google.com.

Grants for CS professional development programs in 2018

The moment has finally arrived! Applications for the 2018 CS educator PD grants are open. To celebrate our tenth anniversary of CS PD funding, we’re excited to announce that beginning this year, we are expanding our funding to include professional development programs for middle school and pre-service educators in the 2018 grant year.

We are also excited to invite you to the first-ever Google online CS educator summit on Saturday, December 16th from 10 AM PST - 2 PM PT on the Google for Education YouTube channel. Tune into the event live on the Google for Education YouTube Channel. During the “Building Pathways to Teaching Computer Science” online event, K-12 educators, school districts, academia and community organizations will learn how to work together to build an equitable and sustainable foundation for K-12 CS educators to integrate CS and CT into their classrooms.

If you have any questions, please email csedugrants@google.com

Outreach to Your University in 2018

We are thinking creatively about how we scale outreach to the many promising students at universities Google hasn’t engaged before. We will be rolling out a series of exclusive virtual presentations after the holidays and would love your help spreading the word. If you would like to host Googlers on-campus for workshops, classroom talks, or other events, please email jakefoley@google.com and he will discuss the possibilities with you.