

CALLA CARTER

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Education

Carnegie Mellon University, Class of 2020

Master of Entertainment Technology

Bryn Mawr College, Class of 2018

Bachelor of Computer Science, Magna Cum Laude

GPA: 3.7

Skills

Programming Languages: Java, Python, C++, C#, HTML/CSS, Apache Pig Latin; Experience with: C, Javascript

Technologies: Unity 3D, Linux, Git, Adobe Creative Suite, Android Studio, Hadoop, Accumulo, Django, Google AppEngine, Wordpress

Internships

United States Government, Technology Intern 1/2017-10/2017

- Handled time-sensitive technical requirements with international reach and global impact
- Developed a software interface between a Python web application and an API using Python and Java
- Used HTML, CSS, and Javascript to develop custom user interfaces
- Collaborated with engineering groups to guide development and identify technical solutions for complex communication gaps
- Provided hands-on training and troubleshooting on proprietary solutions that use cutting edge technology

United States Government, Computer Science Intern 5/2016-8/2016

- Developed analytics in Apache Pig Latin to answer questions about large datasets
- Performed MapReduce jobs on large Hadoop clusters using Java to analyze data at ingest

Google, Software Engineering Intern 5/2015-8/2015

- Created a library that generates a UI automatically, to display, edit, and validate structured data on multiple platforms from a single source of truth
- Developed an Android application which uses the library, wrote UI unit tests with Espresso
- Used technologies such as Java, unit testing, protocol buffers, and Android development
- Spoke on career and intern/mentorship panels for the Google Computer Science Institute and Girls Who Code

Additional Experience

Bryn Mawr College Computer Science Department,

Teacher's Assistant 1/2016-present

- Grade 100-level and 200-level computer science assignments, providing feedback on style and efficiency
- Hold office hours to instruct students on computer science concepts one-on-one and in lectures

White House, Hackathon Organizer 12/2015

- Collaborated with White House OSTP staff to organize a codeathon and ideation day to generate innovative computer science education techniques for K-6 students at the White House during CS Education Week
- Orchestrated agenda, logistics, and team formation for over 70 educators, engineers, and student developers

Bryn Mawr College, Digital Humanities Programmer 2/2015-5/2015

- Developed a pedagogical, interactive website to make a late-medieval transcript accessible to archeological and literary communities with HTML, CSS, Javascript, and Wordpress
- Won the Digital Projects Prize from the Delaware Valley Medieval Association

University of Illinois, Computer Science Camp Instructor 6/2014-7/2014

- Developed and implemented curriculum for six weeks of computer science curriculum, creating three classes: wearable computing, sustainable food, and astronomy
- Taught programming fundamentals, Android App development, and computational applications in astronomy to 150 middle school students

Leadership and Honors

Bryn Mawr CS Club President and Founder, 2014-2018

NSF Center for Science of Information Fellow, 2018

WICT College Scholarship - STEM Scholars 2017

PennApps Health Hack, January 2016

White House Summit on the United State of Women

Nominated Changemaker, 2016

Grace Hopper Scholar, 2014-2017

Square Code Camp Winner, January 2015

Google SWE14 Hackathon Award, October 2014

National Center for Women in Information and Technology Winner, May 2014