

Melanie Cooray

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Work Experience

Software Engineering Intern: Intel Corporation

(3 Internships)

- Continued support for layout completion flow development and created algorithms to aid in pattern detection May 2019 to August 2019
- Developed software automation to generate layout for physical design of Intel process technology nodes and used Perl and Python to develop verification tools for layouts to improve the efficiency of the team June 2018 to August 2018
- Supported Python-based layout completion flow development and developed automation solutions to reduce manual intervention and runtime for the QA of layout design completion flows June 2017 to December 2017

iOS Developer: Mobile Developers of Berkeley

January 2019 to Present

- Developed an app using the Spotify API and Firebase Database to allow users to listen to music together in real-time on shared playlists
- Completed a Swift training program and learned about Cocoapods, Firebase, Alamofire, MVC and more

Education

University of California, Berkeley - Computer Science

August 2018 to Present

- Graduation Date: May 2021
- Technical Courses Taken: Structure and Interpretation of Computer Programs, Designing Information Devices and Systems I, Data Structures and Algorithms, Machine Structures
- Currently Taking: Designing Information Devices and Systems II, Discrete Mathematics and Probability
- Computer Science Academic Intern and Tutor

Vista del Lago High School - Folsom, CA

August 2014 to May 2018

- GPA 4.44, Valedictorian
- Member of California Scholarship Federation, National Honor Society, President of Future Business Leaders of America, Founder of Girl Engineers Making a Stand

Technical Skills

Python, Swift, Unix, Java, Perl, Git, Firebase, Cocoapods, Alamofire, MVC, Microsoft Office

Leadership/Volunteer Experience

Girl Engineers Making a Stand (GEMS)

August 2016 to May 2018

- Founder at Vista del Lago High School to motivate girls to enter the engineering field
- Responsible for arranging field trips, guest speakers, and club activities

Future Business Leaders of America (FBLA)

August 2014 to May 2018

- Chapter president and treasurer
- Responsible for registering students for conferences and managing weekly meetings
- Competed in Computer Problem Solving and Business Math and advanced to the state level

Girl Scouts

August 2005 to July 2018

- Bronze, Silver, Rose, and Gold Award recipient