

Kaela Polnitz

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EDUCATION

University of California, Los Angeles
Mathematics and Computer Science (B.S)

Graduation Date: June 2020

Established GPA: 3.2/4.0

Relevant Coursework: Software Construction Laboratory, Data Structures & Algorithms, Computer Systems and Organization, Operating Systems, Computer Networking Fundamentals, Computer Security, Differential Equations, Real Analysis

WORK EXPERIENCE

Microsoft – *Technical Consultant*

SEPTEMBER 2020 – PRESENT

- Working in the Azure, Cloud, & AI Domain creating and developing technology solutions for clients

Major League Hacking (Powered by Github), Remote – *Software Engineering Fellow*

JUNE 2020 – AUGUST 2020

- Chosen out of 20,000 applicants to be 1 of 150 Major League Hacking fellows working on Open Source projects
- Contributed to Adafruit's project Glider by improving and enhancing a CircuitPython-based mobile source code editor
- Added dark mode, search bar, and bug fixes to the React Native app to enable wireless editing and a convenient hardware coding experience

AT&T, El Segundo, CA – *Entertainment Technology Intern*

JUNE 2019 – SEPTEMBER 2019

- Created a microservice that investigates DirecTV customer complaints of channel outages and incorrectly displayed content
- Constructed backend logic in Go that collects prioritized customer account details and returns non-redundant metadata from internal endpoints
- Introduced and built a user interface with Polymer components that automates the generation of the account information

AT&T, El Segundo, CA – *Broadcast Operations Intern*

JUNE 2018 – SEPTEMBER 2018

- Developed a RESTful, scheduling API that automates error notifications for missing/corrupt episodes and channels in DirecTV Now
- Evaluated the validity of previously published content by quantitatively comparing its properties against the expected values of pending TV guides in SQL database
- Gained approval for the deployment of summer project as an open-source operations tool

Harris Corporation, Monrovia, CA – *Environmental Health and Safety Intern*

JULY 2016 – SEPTEMBER 2016

- Managed and logged safety training for Harris and JPL
- Inspected and revised Safety Data Sheets (mSDS) for engineers and mission planners

RELEVANT SKILLS

- C/C++, Python, MATLAB, HTML/CSS, Polymer.js, React Native, Go, Git

PROJECTS AND COMPETITIONS

Moody Music, Major League Hacking Fellowship Kickoff Hackathon – 2020

- Created Spotify music suggestions based on your visible mood
- Used Spotipy, OpenCV, and KerasML to generate song metrics and mood tracking from webcam streams

Sweeger, Major League Hacking Fellowship Halfway Hackathon – 2020

- Developed an email service that sends online readings and video recommendations based on their technology interests
- Utilized Beautiful Soup and Firebase to parse articles, extract YouTube videos, and store user account information

Scavenger Hunt 10-hour Challenge, USC – 2016

- Collaborated with 3 other students to understand the basics of object-oriented programming
- Storyboarded a Swift application that scanned objects (via iPhone camera) and identified them with their corresponding names (10-hour challenge)

HONORS AND ACHIEVEMENTS

- Grace Hopper Celebration 2020 Women of Color in Tech Scholar
- Rewriting the Code Fellow
- National Center for Women & Information Technology Aspirations National Runner-Up and Affiliate Winner
- Alpha Kappa Alpha Sorority Award for S.T.E.M