Clayton **Clark**

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Experience

Intuit *San Diego, CA*

Software Engineer Intern *June 2020 - September 2020*

- On the Observability team, focusing on exposing health of all services running on Intuit infrastructure, through the use of React and Go
- Used React to migrate Failed Customer Incidents queries from REST to GraphQL API, to reduce ServiceNow endpoint calls by 60%
- Transferred paid Bootstrap kit to work with Intuit's AppFabric infrastructure

Arista Networks *San Francisco, CA*

Software Engineer Intern *June 2019 - September 2019*

- Focused primarily on software, written in Go, that runs general network/switch management, provisioning, and orchestration on data centers
- Helped network operators increase visibility into the state of their network by providing real time, event-driven data feeds, and alerting of all first and third party devices, including VMware Vswitches and Kubernetes containers

Cornell University

eCornell Data Analytics Certificate *April 2018 - July 2019*

- Used data and key performance indicators to build a dashboard that uses visuals to improve understanding of complex business situations
- Created and validated regression models that can be used to determine the effect of attributes on a decision and predict likely outcomes

Google *Seattle, WA*

Computer Science Summer Institute Participant *July 2016*

- 1 of 30 high school seniors selected nationally to attend Google's 3-week intensive Computer Science Summer Institute at the Google Seattle Campus
- Learned JavaScript and Python, while creating web apps with Google App Engine, API's, HTML, and CSS

Projects

IoT Facial Recognition Event Check-In *May 2020-June 2020*

- Led 3-person team by coding the system's backend, which consists of 2 Raspberry Pi edge devices running OpenCV Facial Recognition and Google Text-To-Speech respectively
- Implemented Python to program the edge devices, Google IoT Core to power the Fog device, and Google Cloud Storage as the database

Lit Social Media Search Engine (http://alphabet-1384.appspot.com/) *July 2016*

- Integrates the feeds from YouTube, Reddit, and Giphy into one search engine using each of the respective API's, Python, Google App Engine, HTML, and CSS

Education

University of California, Irvine *Expected 2021*

B.S. in Computer Science

Organizations

100 Black Men of Orange County *Irvine, CA*

STEM Academy Instructor *October 2017-Present*

- Instructs 30+ young men grades 6-12 in Raspberry Pi and Python curriculum

Base 11 *Irvine, CA*

Engineering Mentor *October 2017 - Present*

- Trains over 30 college students skills such coding Raspberry Pi's and using CAD software for 3D printing to develop IoT quadcopters.

Skills

- Python, Git, Linux, C++, HTML & CSS, AWS, Flask, Go, Javascript, Git, React, R, Gerrit, Docker, Kubernetes