

# Clayton Clark

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## Education

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### University of California, Irvine

Expected 2021

B.S. IN COMPUTER SCIENCE

## Projects

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### NEAR FIELD COMMUNICATION SMART LOCK

August 2018-September 2018

- Led 3-person team by coding the program's top project, a Raspberry Pi with Python to open a lock through Near Field Communication
- Used 3D printing, Corel-Draw, SolidWorks, and laser cutting to design a housing for the lock

### LIT SOCIAL MEDIA SEARCH ENGINE ([HTTP://ALPHABET-1384.APPSPOT.COM/](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

## Related Experience

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### Arista Networks

San Francisco, CA

SOFTWARE ENGINEERING 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

### UC Irvine School of Information and Computer Science

Irvine, CA

ENGINEERING PROJECT COACH AND MENTOR

July 2016-June 2019

- Mentor 70+ incoming freshmen in college level engineering curriculum for upcoming classes
- Guides students in creating 40+ Internet of Things projects using the Raspberry Pi and Python

### 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 to learn coding
- Learned JavaScript and Python, while creating web apps with Google App Engine, API's, HTML, and CSS

## Organizations

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### 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
- Implementing curriculum which teaches students how to fabricate quadcopters from scratch

### University of California, Irvine Innovators Squad

Irvine, CA

PRESIDENT OF INNOVATION AND OUTREACH

October 2018 - Present

- Trains students and trainers how to use microcomputers and Python – trained over 300 students directly and indirectly

## Skills

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