

## University of California, Santa Barbara

Sep 2017 – Jun 2021

Bachelor of Computer Science

Dean's Engineering Honors | College of Engineering Honors Scholar

## TECHNICAL SKILLS

- ❖ Python, Java, C++, JavaScript, React.js, Node.js, Ruby on Rails, SQL, PostgreSQL, NoSQL, HTML/CSS
- ❖ GCP, AWS, Firebase, MongoDB, REST, Docker, Kubernetes, Android, BASH

## WORK EXPERIENCE

### Palo Alto Networks, Prisma Access Software Engineer – Santa Clara, CA

Aug 2021 – Present

- Revamped notification and alert email microservice end to end to Python, GCP pub/sub, BigQuery, CloudSQL, Kubernetes.
- Created internal SRE notification endpoints and built automated testing for notification microservices.
- Automated cloud database migration into microservice and automated confluence documentation used by 70+ engineers org wide.
- Developed customer-facing APIs for security wifi product Okyo and added tool to auto create BigQuery SQL statements.
- Lead and designed alert and incident customer notification profile project end to end in Java and GCP. Architected the technical design spec discussions and presented feature to broader UI, PM, and QA teams.
- Improved CI/CD by adding deployment and application verification for 55+ dataflow repos and 15+ GKE container repos.
- Optimized AWS authorizer latency from >1700ms to ~12ms. Authorizer is invoked 80M times daily, cut cloud costs by 43%.
- Drove certificate validation for all 152+ AWS API Gateway infrastructure endpoints as part of FedRAMP High development.
- Connected IAM authentication policies to all 230+ AWS lambda functions following zero trust methods for FedRAMP IL5.
- Filed an internal patent for a security awareness product. Awaiting approval from US government.
- Mentored interns on our team and guided them with mentorship in professional development.
- Organized PANW's LGBTQIA+ Pride events, attended conference on behalf of PANW, and helped with tech recruiting events.
- **Technologies:** *Python, Java, GCP, SQL, Kubernetes, Docker, AWS*

### University of California Santa Barbara, Undergraduate Learning Assistant - CS148 & CS156

Jan 2021 – June 2021

- Mentored students for upper division project based courses on software development practices and application development.
- Lead a lecture and hosted class sections on web technologies and frameworks for students.
- **Technologies:** *Python, Flask, React, JavaScript, MongoDB, Firebase, Springboot Java*

### Cisco Meraki, Full-Stack Intern – San Francisco, CA

Sep 2020 – Dec 2020

- Built cellular usage trackers and graphs for Meraki's cellular gateway devices. Optimized cellular packet collection from 30+s to 5s.
- Integrated new API endpoints for tracking cellular usage data and documented research for a telemetry patent.
- **Technologies:** *Ruby, React, Scala*

### Palo Alto Networks, Prisma Access Software Engineer Intern – Santa Clara, CA

Jun 2020 – Sep 2020

- Built a distributed framework to remotely run diagnostic commands on cloud firewalls and collect system info.
- Placed 2<sup>nd</sup> out of 50+ teams at PANW's internal hackathon by developing an application to create awareness on publicly available information on social media that could be maliciously used in a social engineering attack.
- **Technologies:** *Python, AWS*

### ADTRAN, Software Engineering Intern (Part Time) – Santa Barbara, CA

Aug 2019 – Dec 2019

- Designed an app end to end for 25+ service providers to edit router manifest files with version control on the cloud.
- **Technologies:** *Python, Flask*

### Looker (Acquired by Google Cloud), Software Engineering Intern – Santa Cruz, CA

Jun 2019 – Aug 2019

- Developed a customized REST URL system for company's data analytic dashboards.
- Built the foundations for a Pocket Edition Android app at an internal hackathon to show personal and shared dashboards.
- **Technologies:** *Ruby, SQL, React, TypeScript, Android, Java*

### SmartRG, Software Development Intern – Santa Barbara, CA

Feb 2018 – Sep 2018

- Created automatic language localization and established an interface to monitor WiFi traffic.
- **Technologies:** *Python, BASH, AngularJS*

## PROJECTS

### Compurator

Jan 2020 – Mar 2020

- Led team project to create an AWS serverless React/Python application that compares laptops through a browser extension.

Full project list and additional information on [Github](#) | [Personal Site](#)

## LEADERSHIP

### SB Hacks, Co-director and Sponsorship Team Lead

Feb 2019 – Apr 2021

- Co-directed the 17 person team and lead sponsorship strategies of \$40k+ budget for SB Hacks, an 400-person hackathon at UCSB.
- Led the judging process, planned out the logistics, and coordinated marketing for SB Hacks VI in 2020.
- Developed internal management tools in Python and developed the application website with Node.js ([sbhacks.com](https://sbhacks.com)).

## AWARDS

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|--|------|--|------|
| • <i>QWER Hacks: Best Hardware Hack</i>                              | 2021 | • <i>IEEE AI Hacks: First Place Winner</i>               | 2019 |
| • <i>oSTEM National Conference Hackathon: 1<sup>st</sup> Place</i>   | 2020 | • <i>SLO Hacks: Best Web Domain and Best Game Design</i> | 2019 |
| • <i>Palo Alto Networks internal hackathon: 2<sup>nd</sup> Place</i> | 2020 | • <i>CodeDay Dallas Hackathon: 1st Place Overall</i>     | 2016 |