

Jayleen Li CV

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EDUCATION

University of California, Santa Barbara

Bachelor of Computer Science

Dean's Engineering Honors | College of Engineering Honors Scholar

Sep 2017 – Jun 2021

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

Cisco Meraki

Feb 2023 – Present

Software Engineer – San Francisco, CA

- Developing pipelines to analyze access point packet data.

Palo Alto Networks

Aug 2021 – Feb 2023

Prisma Access Software Engineer – Santa Clara, CA

- Revamped notification and alert email microservice to Python, GCP pub/sub, BigQuery and CloudSQL model, end to end.
- Created internal SRE notification APIs and developed automated testing for notification Python microservice.
- Automated cloud database migration into microservice and automated confluence documentation used by 70+ engineers org wide.
- Presented research on new methods to collect telemetry for team code repositories.
- Developed customer-facing APIs for security wifi product Okyo and added tool to auto create BigQuery SQL statements.
- Lead alert and incident customer notification profile project end to end and developed the backend in Java, and GCP (CloudSQL, BQ and pub/sub). Notifications are delivered via email or webhook encrypted with GCP secret manager. 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.
- Part of PANW volunteer organizing team to host PANW's LGBTQIA+ Pride events in June.
- Attended the Lesbians Who Tech professional conference on behalf of PANW and helped with various tech recruiting events.

University of California Santa Barbara

Jan 2021 – June 2021

Undergraduate Learning Assistant (Part Time), CS148 & CS156 – Santa Barbara, CA

- Learning Assistant for upper division project based courses on software development practices and application development
- Taught a lecture on web technologies and frameworks for students. Mentored students on course projects. Tech stacks ranged from: Python, Flask, React, JavaScript, MongoDB, Firebase, Springboot Java.

Cisco Meraki

Sep 2020 – Dec 2020

CNG Technical Full-Stack Intern – San Francisco, CA

- Built cellular usage trackers and dashboard graphs for Meraki's cellular gateway devices using Ruby, React, and Scala.
- Integrated new API endpoints for tracking cellular usage data and started research into a telemetry patent.

Palo Alto Networks

Jun 2020 – Sep 2020

Prisma Access Software Engineer Intern – Santa Clara, CA

- Built a framework in Python and AWS for customers to remotely run diagnostic commands on cloud firewalls and collect system info.
- Implemented a distributed system protocol between multiple firewalls to ensure non-conflicting aggregated output.
- Placed 2nd 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.

ADTRAN Inc.

Aug 2019 – Dec 2019

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

- Designed an Apache Python Flask app for 25+ service providers to edit router manifest files with version control on the cloud.

Looker (Acquired by Google Cloud)

Jun 2019 – Aug 2019

Software Engineering Intern – Santa Cruz, CA

- Developed a customized REST URL system for company's data analytic dashboards in Ruby, SQL, React and TypeScript by creating new endpoints, restructuring the dashboard database and creating new React modules.
- Built the foundations for a Pocket Edition Android app in Java at an internal hackathon to show personal and shared dashboards.
- Created unit tests for new endpoints and fixed Ruby SQL injection vulnerabilities in an Agile environment.

SmartRG

Feb 2018 – Sep 2018

Software Development Intern – Santa Barbara, CA

- Created automatic language localization with BASH and Python scripts for SmartRG's User Interface in 20+ new languages.
- Prepared technical documentation in JIRA for future employees to continue using the scripts.
- Established a unique network packet interface to monitor real-time WiFi traffic status with Angular, JavaScript and CloudShark.

PROJECTS

Independent Research under Professor Conrad**Mar 2021 –Jun 2021**

- Created Java lab assignment and implemented code coverage for CS156 Advanced Applications Programming Course.

AR Sandbox Aquarium**Feb 2021 –Mar 2021**

- Researched into 2D images to 3D object model conversion and created an Android app that lets users take their 2D fish drawings and convert them into 3D models in real time to place in their room in augmented reality.

Compurator**Jan 2020 –Mar 2020**

- Led team project to create an AWS serverless React/Python application that compares laptops through a browser extension.
- Developed the backend REST lambda endpoints with Python and MongoDB to store web scraped laptop metadata and user data.

EEG Classification (Undergraduate Research Assistant at Four Eyes Lab, UCSB)**Feb 2019 – Jun 2019**

- Worked on a deep learning Python model with PhD students on the relationship between electroencephalograms (EEG) and human computer interaction. A paper on the project was submitted to CHI 2020.

Type Type Revolution**Jan 2020 – Mar 2020**

- Developed backend database and matchmaking algorithms for the server-less web game in JavaScript and Firebase at SLO Hacks.

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

LEADERSHIP & AFFILIATIONS**SB Hacks****Feb 2019–Apr 2021****Sponsorship Team Lead and Organizer – Santa Barbara, CA**

- 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 fixed the application website with Node.js and HTML/CSS (sbhacks.com).

Society of Asian Scientists and Engineers (SASE)**Sep 2017 –Jun 2018****Webmaster Chair and Programming Committee Member – Santa Barbara, CA**

- Developed the website(saseucsb.com) and organized the 2018 SASE Regional West conference of 200+ university students.

HOSTED WORKSHOPS & SPEAKING EVENTS

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| • <i>SB Hacks: Hackathon Judge</i> | Feb 2022 | • <i>SB Hacks VII : Intro to APIs</i> | Jan 2021 |
| • <i>TechTogether New York: Intro too Android</i> | Oct 2021 | • <i>SB Hacks VII: Intro to Hackathons</i> | Jan 2021 |
| • <i>Girls in ICT Day: Panelist</i> | May 2021 | • <i>SB Hacks: Intro to Web Apps</i> | Nov 2020 |
| • <i>Womxn Hacks 3.0: Intro to Android</i> | Apr 2021 | • <i>Helloo Hacks: Speaker</i> | Aug 2020 |
| • <i>SB Hacks VII: Opening & Closing Ceremony</i> | Jan 2021 | • <i>Emerging Alternative Internet: Student Panelist</i> | Jan 2021 |
| • <i>SB Hacks VII: Intro to HTMLCSS/JavaScript</i> | Jan 2021 | • <i>Coders SB Panelist</i> | Oct 2019, Oct 2020 |

AWARDS

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| • <i>QWER Hacks: Best Hardware Hack</i> | 2021 | • <i>SLO Hacks: Best Web Domain and Best Game Design</i> | 2019 |
| • <i>oSTEM National Conference Hackathon: 1st Place</i> | 2020 | • <i>BPA: Java Programming State Qualifier</i> | 2016, 2017 |
| • <i>Palo Alto Networks internal hackathon: 2nd Place</i> | 2020 | • <i>CodeDay Dallas Hackathon: 1st Place Overall</i> | 2016 |
| • <i>IEEE AI Hacks: First Place Winner</i> | 2019 | • <i>IBM Master the Mainframe: Level One Winner</i> | 2016, 2017 |