

Jayleen Li

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EDUCATION

University of California, Santa Barbara

Bachelor of Computer Science

Jun 2021

Dean's Engineering Honors | College of Engineering Honors Scholar

TECHNICAL SKILLS

Experienced in: Python, JavaScript, Ruby, Java, SQL, Flask, C++, BASH, UNIX Script, PHP
Web Technologies: AngularJS, React, TypeScript, JSON, Apache, HTML5, CSS

WORK EXPERIENCE

ADTRAN Inc.

Aug 2019 – Present

Software Engineering Intern

- Architected and developed a Python Flask web application hosted on Apache2.
- The application gives access to 25+ service provider customers to upload and edit router manifest files through cloud services.

Looker (Acquired by Google Cloud)

Jun 2019 – Aug 2019

Software Engineering Intern

- Worked with the Content Organization Team on application vulnerabilities with SQL injection using Ruby unit test tool.
- Developed a customized REST URL naming system for company's data analytic dashboards in Ruby, React and TypeScript.
- Designed foundation for the company's Pocket Edition Android app at an internal hackathon that allows a user to see his/her personal and shared dashboards within the app.

SmartRG

Feb 2018 – Sep 2018

Software Development Intern

- Created automatic language localization with BASH and Python scripts to translate SmartRG's User Interface in 20+ new languages. Also prepared technical documentation in JIRA for future employees to continue using the scripts.
- Established a unique network packet interface to monitor real-time status of WiFi traffic using AngularJS and CloudShark.
- Produced and released customized firmware for service providers based on client preferences.

PROJECTS

EEG Classification

Feb 2019 – Jun 2019

Undergraduate Research Assistant at Four Eyes Lab, UCSB

- Worked with PhD students on a deep learning model of the relationship between electroencephalograms(eeg) graphs and human computer interaction. A paper on the project was submitted to CHI 2020.
- Applied Fast Fourier Transformations on eeg data to feed into the machine learning model in Python.

Mineyeeter

Apr 2019

Co-creator and Developer

- Worked with a team of four at *HackSC* to create a Minesweeper inspired multiplayer web VR game using A-frame in HTML, JavaScript, and Google's Firebase API.

Type-Type-Revolution

Feb 2019

Application Developer

- Led a team of four to develop Type-Type-Revolution, a web-based multiplayer typing game written in JavaScript and Firebase API at *SLO Hacks 2019*. The game won Best Website Domain and Best Game Design at the hackathon.

Additional projects on [Github](#) / [Personal Site](#)

AFFILIATIONS

SB Hacks

Apr 2019 – Present

Lead Logistics Coordinator and Developer

- Coordinated our \$50,000 budget, gathered sponsors, and lead the logistics team for the 400+ person annual hackathon at UCSB.
- Developed landing page and application website for hackers to submit applications and check for acceptance status.

Wired Hacks (Hosted by Theta Tau and IEEE)

Dec 2017 – Feb 2018

Organizer and Web Developer

- Founding team organizer and website developer for the first-ever hardware hackathon at UCSB, *Wired Hacks* (wiredhackssh.com).

Society of Asian Scientists and Engineers (SASE)

Sep 2017 – Jun 2018

Webmaster Chair and Programming Committee Member

- Redesigned the website and helped organize the 2018 SASE Regional West conference that hosts 200+ university students.

AWARDS

- IEEE AI Hacks 2019*: First Place Winner 2019
- SLO Hacks 2019*: Best Website Domain and Best Game Design 2019
- Business Professionals of America*: Java Programming Two-time State Qualifier 2016, 2017
- CodeDay Dallas Hackathon*: 1st Place Overall 2016
- IBM Master the Mainframe*: Two-time Level One Winner 2016, 2017