Patrick Lee

Menlo Park, CA · (650) 722-6985 · patrickelee650@gmail.com

https://patrickelee.com · https://www.linkedin.com/in/patrick-ey-lee/ · https://github.com/PatrickELee

WORK EXPERIENCE

Coinbase   Remote (San Francisco, CA)
Software Engineer Intern   May 2022 – Sept 2022
- Worked on Infrastructure Security (**InfraSec**) team to develop company's risk management process.
- Tasked with **planning and implementing entire** communication service for use between InfraSec and rest of company of **4000+ employees**, as well as integration with existing InfraSec services with the use of **AWS resources, Golang, and Google Protobuf**.
- Wrote operational scripts in Python to help maintain system health of project that manages **hundreds** of daily internal package security ingestion requests.
- Researched new tooling opportunities for Coinbase and documented findings for future usage on new internal projects.

EDUCATION

University of California, Davis College of Letters and Science   Davis, CA
Bachelor of Science in Computer Science   June 2024
- **Relevant Coursework:** Data Structures, Algorithms and Design, Calculus, Linear Algebra, OOP, Statistics
- **Cumulative GPA**: 3.948, Dean's Honor List
- Member of Google Developer Student Club, HackerHub
- Expected Graduation **June 2024**

NOTABLE CLUB EXPERIENCE

Google Developer Student Club at UC Davis (GDSC)   Davis, CA
Techlead   Oct 2020 – June 2021
- Gave presentations at several Hackathons to 100+ attending individuals on various programming topics including web development and basic Git usage.
- Participated in programming projects in focused teams to learn new frameworks and technology and then teach to others.

Hacker Hub   Davis. CA
Member   Oct 2020 – June 2021
- Participated in weekly club hackathons designed to give practical working experience to students in a casual environment.
- Helped organize workshops to teach other students basic programming skills and concepts that could be useful later in their professional career.

ADDITIONAL INFORMATION

Programming: Python, C++, HTML/CSS, PostgreSQL, C, Golang, Bash, SQL
Frameworks: Django, Flask
Other: Git/GitHub, UNIX, VS Code, Google Suite, Adobe Suite, Microsoft Suite, Slack, AWS

PERSONAL PROJECTS

Concoct – Python, Flask, JavaScript, React, Microsoft Azure Custom Vision
- Web app that uses computer vision and machine learning to minimize food waste and save on costs by identifying available ingredients from a picture and generating relevant recipes.
- Flask app with a React front-end that leverages Microsoft Azure's Custom Vision service to identify the ingredients then send them to the Spoonacular Recipe API.
- Built initially as a team collaboration for a Hackathon where I took the position of project lead.

Simple Bot – Python, Discord API, PGSQL
- Chat bot used for communication service Discord that users can interact with through asynchronous I/O.
- Contains a PGSQL user database and can open audio channels through FFMPEG library to play audio in voice calls.