Maithy Le

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EDUCATION

University of California, Irvine   **Graduating June 2025**
B.S. in Computer Science   *GPA: 3.82*
- **Relevant Coursework:** Data Structures, Algorithms, Database Systems, Object-Oriented Programming, Computer Organization, Boolean Logic & Discrete Mathematics, Linear Algebra

SKILLS

Programming Languages: Python, C++, Java, Javascript, Typescript
Web & Database: AWS, Node.js, Express.js, HTML, CSS, SQL, MySQL, CockroachDB, Firebase
Frameworks & Libraries: React, React Native, Next.js, Spring Boot, REST API, Numpy, Pandas
Technologies: Git, GitHub Enterprise Cloud, Azure DevOps, Azure Cognitive Search, Postman, Figma, R Studio

RELEVANT EXPERIENCE

Optum - UnitedHealth Group   **Irvine, CA**
Software Engineering Intern   June — August 2023
- Developed search tool to streamline discovery of AI/ML solutions to business problems, reducing duplication of efforts by 100x, integrating Azure Cognitive Search into a Java and Spring Boot codebase.
- Created REST API endpoint to batch index data from Azure CosmosDB.
- Utilized JUnit and Mockito for unit testing services and web controllers.
- Developed UI components in Typescript and tested with Storybook within Docker container.

Commit the Change | UC Irvine Student Organization
Outreach Director   June 2023—Present
- Facilitated communications and requirements gathering with 5 nonprofit organizations.
Full-Stack Developer   October 2022—Present
- Volunteered with 12-developer team to develop a web-based database management application using React.
- Modernized business operations from paper saving the nonprofit 20+ labor hours per season.
- Implemented a RESTful API using Express.JS to facilitate CRUD operations on a MySQL database.
- Participated in agile ceremonies: weekly stand ups, sprint planning, review, and retrospectives.

UCI Information & Computer Science Student Council
Secretary   September 2022—June 2023
- Recorded meeting minutes and disseminated event newsletters to 800 students.
Public Relations Committee Member   November 2021—June 2023
- Wrote blurbs for club events and promoted event participation on social media.

University of California, Irvine
Lab Tutor   January — March 2022
- Delivered verbal guidance on Python fundamentals to 40+ students for assignments.

PERSONAL PROJECTS

Mischief in Montreal | Python, Pandas, Plotly, Seaborn, Machine Learning   April 2023
Won 1st Place overall and People's Choice in EMBARK Datathon 2023
- Proposed government policies based on analysis of dataset containing 250,000 crimes.
- Crafted interactive and analytical visual graphs using Plotly and Seaborn in Deepnote.

ZotHome | React Native, JavaScript, REST API, Expo, Vercel, CockroachDB   February 2023
- Webscraped 3 housing websites and aggregated information in CockroachDB.
- Deployed serverless REST API functions using Node.js on Vercel.

KnuckleBones Game | Python   August 2022
- Implemented core game logic and achievement system using object oriented programming.

Commutr Course | React, JavaScript, REST API   May 2022
Won 1st place in Best Use of PeterPortal API in VenusHacks 2022
- Constructed algorithm for calculating optimal commuter schedules in JS using data from REST API.