Audrey Lam

audreylam989@gmail.com | https://www.linkedin.com/in/audrey-lam/ | https://github.com/alam7989 | (916)-542-5563

EDUCATION

University of California - Irvine | B.S. in Computer Science   *Sept. 2021 - Dec. 2024 (Expected)*

GPA: 3.967, Dean's Honor List for all quarters

- **Relevant Coursework:** Software Development Life-Cycles, Data Structures, Algorithms, Data Management, AI, ML, Human and Computer Interaction, Web Crawling and Indexing, User Interaction Software, Systems Design

EXPERIENCE

The Trade Desk | Full Stack Software Engineer Intern   *June 2024 - Current*

C#, .NET, Javascript, Typescript, AWS S3, Apache Airflow, Apache Spark

- Developed a workflow centered around the new Opt Out Pixel, allowing advertisers to notify The Trade Desk when a user requests to opt out of having their data tracked and stored
- Created an API endpoint and handler in C# to parse, process, and generate logs of opt-out requests and user cookies
- Implemented the Opt Out Pixel in Javascript, which makes a request to the API endpoint upon an opt-out request
- Wrote a design document discussing various ways to add this opt-out functionality to an existing Real-Time Conversion Events SDK and incorporated the most fitting solution with Typescript

Gotchoo | Full Stack Student Developer   *Jan. - June 2024*

Vite, Javascript (React, MUI), Tailwind CSS, AWS (Amplify, Cognito, DynamoDB, Lambda)

- Built front end components for Gotchoo's gifting service Retailer Hub website with Vite, React, MUI, and Tailwind CSS
- Created authentication flows depending on AWS Cognito user groups through AWS Amplify
- Wrote a design document for an AWS DynamoDB NoSql database, detailing the schema and design considerations

PROJECTS

Vacation Schedule Manager Application   *Apr. 2023*

Javascript (React Bootstrap, Next.js, JSX), Firebase, REST APIs, SCSS | github.com/alam7989/beep-beep

- Developed a full stack web application with 3 teammates for creating and managing vacation schedules
- Implemented an account registration and login system using Next.js and React Bootstrap, with user credentials automatically added to a Firebase database
- Integrated Yelp Fusion API and a geocoding API to find popular businesses near a user's current location, a selected location on the map, or via the search bar

Collaborative Drawing Application   *Nov. 2022*

Python (Flask, SQLAlchemy), HTML, Javascript, CSS | github.com/alam7989/zotdots

- Engineered a full stack web application using Flask, enabling collaborative drawing on a shared canvas
- Achieved real-time updates to the canvas by creating a database with SQLAlchemy and using Javascript to save information to it after each edit

LEADERSHIP AND EXTRACURRICULARS

Introductory Computer Organization and Systems Design | Learning Assistant   *Sept. 2023 - Current*

- Facilitated student learning by leading 2 lab sessions every week and supporting Teaching Assistants during office hours
- Planned and discussed course curriculum and student progress in weekly meetings with professors and other course staff

VenusHacks | Corporate Committee Chair, Logistics Organizer, Communications Lead   *Feb. 2023 - Current*

- Coordinated among 30 other organizers to plan and supervise UCI's largest annual women-centric hackathon, with 200+ attendees during both 2023 and 2024
- Managed 11 peers in the sponsors, budget, mentors, judges, and prizes sub-committees
- Partnered with 5 companies and UCI offices to secure $15,000 in sponsorship funds for the event

Hack at UCI | Corporate Outreach Organizer   *Dec. 2022 - Current*

- Organized 3 hackathons, including Orange County's largest annual collegiate hackathon with 350+ attendees, alongside 30 peers
- Fostered relationships with 8 companies to secure over $60,000 in sponsorship funds for the club

SKILLS

- **Programming Languages:** Python, C, C++, C#, HTML, CSS, Javascript, TypeScript, MIPS assembly, SQL, Swift
- **Technologies and Tools:** Git/GitHub/GitLab, Amazon Web Services (DynamoDB, Amplify, Cognito, S3), MySQL, PostgreSQL, MongoDB, Apache Spark, Figma, Docker, LaTeX, Jupyter Notebook