

Damond Fang

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Education

University of California, Berkeley

B.S. Electrical Engineering and Computer Science

Berkeley, CA

May 2025

Work Experience

Reinsurance Group of America

Remote

Software Engineer Intern | Actuarial Solutions Team

June 2023 - August 2023

- Increased execution efficiency of **AWS Step Functions** and **Lambda** services through code optimization
- Deployed changes and integrated Lambda unit testing into **Jenkins** CI/CD pipeline, enhancing stability of software releases
- Implemented **Redux** in **React**-based application along with testing, resulting in improved developer environment and code maintainability

Codeday Labs

Remote

Intern

June 2022 - August 2022

- Designed and built application along with UI, using **pyQT** with sentiment analysis and Natural Language Processing functionality for data input
- Developed web scraper using **Selenium** to extract Google News data for parsing and processing, stored in **MongoDB**

City College of San Francisco

San Francisco, CA

Teaching Assistant | C++ Fundamentals

January 2022 - May 2022

- Analyzed program efficiency of **30+** students' weekly coding assignments and discussion posts
- Provided helpful feedback on code submissions with algorithm optimization and guidance

Opportunities for All

San Francisco, CA

Technology Intern

June 2020 - July 2020

- Collaborated with team to develop COVID-19 resources website for low-income families using HTML, CSS, and JS

Projects

Fit Form Tracker | Blazeform, Opencv, Flask, OpenAI, MediaPipe | [Github](#) | [Devpost](#)

- Placed in **top 15** out of 250+ submissions in UC Berkeley CalHacks AI Hackathon
- Deployed flask server, allowing for movement tracking and data collection via computer vision
- Utilized Open AI's API to analyze joint position data, to provide feedback on exercise form and posture

Live Road Incident Map Website | MongoDB, ExpressJS, ReactJS, NodeJS, Mapbox, Heroku | [Preview](#)

- Successfully deployed full stack website with **Heroku**, used Mapbox API and MapQuest API for data queries
- Utilized backend API endpoints, allowing for **CRUD** operations on **MongoDB** database

Media Streaming App | Qt Framework (C++) | [Preview](#)

- Programmed UI application using Qt Framework (C++), with video player functionality (stop, volume, progress, etc.)

Skills

Programming Skills: Python, JavaScript/TypeScript, C++, Java

Technologies: SQL, ReactJS, HTML, CSS, MongoDB, Qt Framework, Linux, NodeJS, Firebase, Bash, Powershell, AWS, Terraform, AWS Lambda Functions, Jest, Heroku, Docker, Flask, OpenAI, Redux, React, Jenkins

Other: Git, Full Stack Development, Web Scraping, Data Parsing, Natural Language Processing, UI Development