

RICHARD FANG

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EDUCATION

University of California, Santa Barbara

Bachelor of Science, Computer Science

Expected 2026

GPA: 4.00/4.00

EXPERIENCE

DigiPart.com

Jun 2022 - Sep 2022

Software Engineering Intern

- Built email and push notification platform in NodeJS to send weekly marketing emails and instant updates regarding order and payment information
- Leveraged AWS tools (Lambda, DynamoDB, and API Gateway) to improve efficiency of existing Java-based billing service

GoodCount LLC

May 2021 - Sep 2021

Software Engineering Intern

- Built a Python web scraping program to perform market research and competitive content analysis
- Built an analytics platform in NodeJS to compile and calculate statistics and metrics and generate weekly performance reports

ICS, University of California, Irvine

Dec 2022 - Feb 2023

Research Intern

- Researched the use of machine learning to detect tone in texts
- Used natural language processing techniques to improve learning models
- Performed data analysis of the effectiveness of different models and approaches

PROJECTS AND EXTRACURRICULAR

Computers For California

Jun 2020 - Present

President and Co-Founder

- Non-profit organization with branches in 10 local schools aiming to extend the reach of technology
- Organized computer drives and donated 2000+ computers to communities in need
- Developed and taught technology literacy courses to elementary schools and senior centers (500+ students)

Community Pantry

Oct 2020 - Feb 2021

- Developed a full-stack application (Django, PostgreSQL, JavaScript) to provide community grocery delivery during the COVID-19 pandemic
- Built API to store information on all stores and their inventory information based on geodata from Overpass
- Organized student volunteers to provide over 200 deliveries using the application

Flash Note

April 2023 - Present

- Developed a study tool using that automatically generates flashcards and quiz questions from notes
- Used MERN stack to build the web application and Cohere language AI to help produce the flashcards

SKILLS

- Programming Languages: Python, C++, Javascript, Java, HTML, CSS
- Frameworks and Tools: Git, Django, React, Express, Redux, AWS, PostgreSQL, MongoDB, Firebase, PyTorch, Pandas, Matplotlib, Tensorflow