

DANIEL Y. GAO

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EDUCATION

University of Southern California (USC)

Los Angeles, CA

B.S. Computer Science and Business Administration

August 2022 - May 2026

- **Relevant Coursework:** Data Structures, Algorithms, Discrete Math, Linear Algebra, Software Development, Computer Systems, Economics, Accounting, Business Communication, Organizational Behavior, Leadership
- **Activities and Societies:** TroyLabs, HackSC, Sigma Eta Pi, AI Safety USC

EXPERIENCE

Amazon

Seattle, WA

Software Development Engineer (SDE) Intern

May 2023 - August 2023

Successfully refactored custom alarms using AWS CDK and launched an operational dashboard for a tier-1 service, improving monitoring efficiency and facilitating easy addition of alarms and metrics.

Keepsake

Los Angeles, CA

Software Engineer

September 2023 - Present

Developing critical pages and components for a Next.js web app. Implement data handling and security limits, perform integration testing, and collaborate with a dynamic team in a fast-paced startup.

USC Marshall

Los Angeles, CA

Programmer @ Experiential Learning Center

January 2024 - Present

Building virtual simulations using full-stack programming to provide an interactive learning experience for thousands of business students, enabling them to apply theoretical concepts in practical, real-world scenarios.

TroyLabs

Los Angeles, CA

Startup Consultant, Software Engineer

September 2023 - Present

Conduct thorough unit testing for startups and provide comprehensive tech consulting to guide feature development. Prepare startups for successful pitches to investors and proceed through rounds of growth.

AI Camp

San Francisco, CA

Software Engineer, Product Lead Intern

September 2021 - April 2022

Led a team of 4 engineers to develop an AI medical-care product for detecting skin burns and cellulitis, surpassing project goals. Presented product to CEO and received offer to join company's Data Team.

TECHNICAL SKILLS

Languages: Java, Python, C/C++, JavaScript, Typescript, Swift, HTML, CSS, SQL

Frameworks: React, Node.js, Django, Flask, Flutter, Firebase, TailwindCSS, Spring Boot, Maven

Developer Tools: AWS, Google Cloud Platform, Git, Docker, VS Code, IntelliJ, PyCharm, Eclipse, Figma

PROJECTS

TripGenie | JavaScript, HTML, CSS, Python, Flutter, Firebase, GPT API

- Coordinated the full-stack development of TripGenie, an iOS app providing users with comprehensive and personalized trip itineraries.
- Integrated Google OAuth for secure user login and utilized Firebase for seamless storage of travel plans.

A.M.A.N.D.A. | Django, React, YOLOv5, Labelbox, Blenderbot

- Led the development of A.M.A.N.D.A., an advanced medical assistant AI, transforming healthcare accessibility.
- Orchestrated website design, YOLO classifier training, image labeling, and data collection through web scraping for development.

Roadie (HackMIT submission) | JavaScript, HTML, CSS, Flask, Pandas, Selenium, Spotify API, GPT API

- Led the creation of Roadie, an exclusive platform for indie artists, offering tour routing, venue matching, and data-driven insights.
- Implemented a solution for the "Traveling Salesman Problem," combining swift brute-force and heuristic algorithms, strategically integrating flight prices, and curating an extensive venue database through web scraping.