Malaika Sud

San Francisco Bay Area | https://www.linkedin.com/in/malaika-sud/ | https://github.com/malaika-sud

EDUCATION

Georgia Institute of Technology   *January 2024 - December 2025*
Computer Science M.S. *3.80 GPA*
Relevant Coursework:
- DB Sys Concepts & Design, Software Dev Process, Software Arch & Design, Computer Networks, ML for Trading

University of California, Santa Cruz   *September 2021 - June 2023*
Computer Science B.S. with Honors *3.59 GPA*
Relevant Coursework:
- Principles of Computer Systems Design, Computational Models, DB Systems, Web Applications

EXPERIENCE

Stealth Startup   **San Francisco Bay Area, CA**
Software Engineer Intern   *December 2024 - Present*
- Built a modern task management system with NextJS, React, and TypeScript: featuring real-time updates, room-based organization, and predictive velocity calculations to optimize resource allocation and project planning.
- Designed a scalable backend with FaunaDB, implementing efficient indexing, complex queries, and secure authentication with Auth0, integrating role-based access control and session management, reducing data retrieval times by 60%.
- Created reusable React components with TailwindCSS, enhancing responsive layouts, dynamic forms, and UI efficiency, cutting new feature development time by 50%.

UC Santa Cruz - Tech4Good Lab   **Santa Cruz, CA**
UI Components Lead, Web Developer   *August 2022 - June 2023*
- Led two 10-person UI teams to develop 30+ reusable Angular components using HTML, CSS, and JavaScript to improve platform accessibility for 500+ users.
- Established component hierarchy and pair programming workflows, enhancing productivity and collaboration within teams.

UC Santa Cruz - Society of Asian Scientists & Engineers   **Santa Cruz, CA**
Engineering Vice President   *May 2022 - June 2023*
- Assisted organization of SASE WR Con '22 (1000+ attendees) & hosted monthly workshops for 35+ students.
- Mentored 10-15 students weekly and led a CS tutoring program that improved students' academic performance.

Stanford University CS Bridge   **Stanford, CA**
Section Leader   *June 2021 - July 2021*
- Guided 22 students from no coding experience to completing PyGame projects with a 100% success rate.
- Delivered daily Python sessions and hands-on instruction, ensuring strong project completion and engagement.

TECHNICAL SKILLS

Programming Languages: TypeScript, JavaScript, Python, SQL, Java, C++

Tools and Technologies: React, Angular, Tailwind, NodeJS, NextJS, Git, GitHub, PostgreSQL, HTML, CSS, JSON, Docker, Spring Boot, FaunaDB, Auth0, Figma, Django, VSCode

TECHNICAL PROJECTS

Pokemon Battle Simulator   *August 2024 - December 2024*
- Built a Dockerized microservice using Java and Spring Boot to serve information about users, Pokemon and battles.
- Developed user-manageable web application utilizing React and Javascript to manage trainers, their Pokemon, and battles between different trainers.
- Utilized React's component structure to create reusable components that were implemented over multiple views.
- Created various endpoints for managing battle interactions, battle performances and health points.

Auction Web App   *January 2024 - June 2024*
- Built a backend service using Django & Python to perform CRUD operations between the frontend web app & SQLite database.
- Developed a modular UI/UX structure to foster intuitive use when buying or selling products on the application.

Portfolio Website   *December 2022 - February 2023*
www.malaika-sud.com
- Developed a responsive React-based portfolio with JavaScript and CSS for an optimized user experience.
- Streamlined component structure for fast content updates and a seamless, intuitive design.