Maya Dahlke

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PROFILE

I am a self-driven software engineer who is passionate about developing web applications. It combines my deep interests in logical problem solving and aesthetic user interfaces and experiences. I love coding projects with different technologies to see how they support interface design, ease of development, and clean, efficient code. I taught myself Swift/SwiftUI to write personal IOS apps and React/Next/Angular to write apps professionally. By working with backend technologies, such as Django and Flask, I am also developing my skills to support end-to-end solutions.

EDUCATION

Loyola Marymount University   **Los Angeles, CA**
Bachelor of Science, Computer Science; Minor: Applied Mathematics   May 2021

INDUSTRY EXPERIENCE

Rosalind   **San Diego, CA**
Full-Stack Software Engineer   August 2021 – Present
- Engineered the Rosalind bioinformatics platform to help scientists explore genome sequencing
- Developed features for the current version of the application, using Angular and D3.js
- Refactored outdated code to improve performance and reusability
- Delivered Admin Panels for workflows and data ingestion, was solely responsible for the front-end
- Developed features for the next version of the application, using D3.js, Django, HTMX, Jinja, MDB, Next.JS, Python, and Tailwind
- Developed APIs for the front-end client application to access genome data from PostgreSQL
- Built unit tests using Cypress and Playwright
- Used Agile Scrum Methodologies supported by JIRA for ticket tracking and burndown charts

National CleanUp Day Internship   **San Diego, CA**
Website Developer   May 2020 - August 2020
- Managed and renovated website design of three websites, National CleanUp Day, Clean Trails, and World CleanUp Day, to enhance usability; worked with three co-workers for design ideas
- Developed CleanUp News website and collaborated with an editor to create design

Dexcom Internship   **San Diego, CA**
Validation and Verification Automated Tester   May 2018 - August 2018
- Ran twenty tests per day for the Dexcom app on Android and iOS devices manually and automatically, then filled out forms and used Rational and JIRA to report errors
- Fixed bugs and failed tests for Android devices in Eclipse using Java
- Delivered updates on current tasks to fifteen team members daily at stand-up meetings

Google Computer Science Summer Institute - Extension   **Los Angeles, CA**
Program Participant   July 2017 - August 2017
- Completed an intensive three-week programming institute, where faculty and engineers taught web app development in HTML, CSS, JavaScript, Python, GitHub, and Google App Engine

- Designed and implemented a website app which matches a user to a hobby with two other group members, and presented a demo of it; worked on executing Google Maps API and CSS

OTHER EXPERIENCE

On-Campus Work Study   **Los Angeles, CA**
LMU Psychology Department Research Assistant and Clerical Officer   October 2017 - May 2021
- Regulate and facilitate psychology research studies on Sona-Systems and answer inquiries for the Human Subject Pool
- Complete administrative tasks including organizing/advertising events and meetings and keeping the department organized to increase student and professor productivity

ACTIVITIES/AWARDS

Society of Women Engineers Club: Treasurer   August 2020 – May 2021
HP Summer Scholar: Scholar (Certification in LinkedIn)   June 2020 – July 2020
USC Athena Hacks: Multi-Participant   March 2019, March 2020
LMU Women's Choir: Participant   August 2017 – May 2019

SKILLS

Technical Skills: Agile, Airflow, Angular, Assembly, AWS, Bootstrap, Django, Docker, FastAPI, Flask, Git, Jinja, Linux, MDB, Next.js, Node.js, React.js, RESTful APIs, SwiftUI, XCode
Programming Languages: C, CSS, HTML, HTMX, Java, JavaScript, PostgreSQL, Python, Swift
Languages: English (Native), Spanish (Basic), French (Basic)