

# Maya Dahlke

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## PROFILE

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I am a self-driven software engineer passionate about developing applications. It combines my deep interests in logical problem-solving and aesthetic user interfaces and experiences. I enjoy exploring different technologies to see how they support interface design, ease of development, and clean, efficient code. I taught myself Swift to write personal iOS apps and React and Angular to write professional web apps on the job. By working with backend technologies, such as Django and SQL, I have developed my skills to support end-to-end solutions. My love for decorative baking and art fuels my creativity and attention to detail, and I bring that same innovative mindset to coding.

## EDUCATION

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**Loyola Marymount University**, Los Angeles, CA

*Bachelor of Science, Computer Science • Minor, Applied Mathematics (May 2021)*

## INDUSTRY EXPERIENCE

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**ROSALIND**, San Diego, CA

*Full-Stack Software Engineer (August 2021 – Present)*

- Engineer the Rosalind application by implementing 20+ features with Angular, React, and Python.
- Spearhead the development of the Rosalind Diagnostic Monitoring (DxM) web application from inception to launch, utilizing CSS, HTMX, Jinja, D3.js, and Django.
- Design and implement REST APIs for the front-end client application to access data from PostgreSQL and MySQL efficiently.
- Increase test coverage and improve code quality and reliability by implementing comprehensive integration, unit, and API tests using Playwright, Vitest, Pytest, and Postman.
- Collaborate closely with design and product teams to deliver two new web applications, leading to improved user engagement.

**National CleanUp Day**, San Diego, CA

*Website Developer (May 2020 – August 2020)*

- Individually managed and renovated websites for National CleanUp Day, Clean Trails, and World CleanUp Day to boost usability.
- Coordinated weekly with an editor to improve the CleanUp News website design and usability flow.
- Developed skills in website design, usability enhancements, and collaboration with team members.

**Dexcom**, San Diego, CA

*Validation and Verification Automated Tester Intern (May 2018 – August 2018)*

- Conducted manual and automated tests using Java and JIRA for Dexcom's Android and iOS apps, ensuring functionality and reliability across 50+ test cases.
- Resolved bugs and failed tests for Android devices in Eclipse using Java, then reported errors to Rational.
- Delivered daily task updates to a cross-functional team of 15 during stand-up meetings, improving project alignment and productivity.

**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 that matches a user to a hobby with two other group members, and presented a demo of it; responsible for executing the Google Maps API and CSS.

## ACTIVITIES/AWARDS

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**HP Summer Scholar:** *Scholar (June 2020 – July 2020)*

**Society of Women Engineers Club:** *Member, Treasurer (November 2017 – May 2021)*

**USC Athena Hacks:** *Multi-Participant (March 2019, March 2020)*

## SKILLS

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**Technical Skills:** Agile Methodologies, Angular, AWS (Amazon Web Services), Django, Docker, GCP (Google Cloud Platform), Git, GitHub, Next.js, Node.js, Postman, React.js, RESTful APIs, Tailwind

**Programming Languages:** C, CSS (Cascading Style Sheets), HTML (Hypertext Markup Language), HTMX, Java, JavaScript, Python, Swift, SwiftUI, SQL (Structured Query Language), TypeScript

**Testing:** Playwright, Pytest, Vitest

**Languages:** English (Native), Spanish (Basic), French (Basic)