Mei Lu

Software Engineer

Contact

lumeidev@gmail.com
github.com/mei-lu

About

Software Engineer with a strong foundation in building responsive, accessible, and performant applications. Experienced in developing design systems, scalable interfaces, and interactive experiences with and without modern frameworks. Passionate about the intersection of design, engineering, and interaction.

Education

2019 – 2023
University of Maryland, College Park
Computer Science B.S.

Skills

JavaScript
HTML/CSS
Web Components
React
Vue.js
Python
PHP
SQL
Git

Experience

University of Maryland

July 2023 – Present
College Park, Maryland

Software Engineer
Contributed to a university-wide design system built with native Web Components to ensure consistent branding, rapid site development, accessibility, and maintainability across a fragmented ecosystem of websites. This system reduced dependence on external vendors, significantly lowering costs for campus partners.

Technica (Hackathon)

Feb 2022 – Oct 2022
College Park, Maryland

Lead Web Developer
Led a team to design and develop a Vue.js web app for the world's largest hackathon for underrepresented genders, supporting over 2,500 user registrations and 1,200 attendees from 15 countries. The app featured workshop livestreams, real-time participant tracking, and virtual networking booths, built on a Serverless AWS architecture (Lambda, DynamoDB, SES).

Nerdwallet

May 2022 – August 2022
San Francisco, CA (Remote)

Software Engineer Intern
Created and maintained database schemas using Flask and SQLAlchemy to improve financial product and institution data management. Developed a React Admin frontend enabling non-technical teams to efficiently query and edit the database, eliminating manual queries for data engineers and reducing operational tasks from hours to seconds.

Verizon

June 2021 – August 2021
Ashburn, VA (Remote)

Software Engineer Intern
Developed Python scripts for Linux servers delivering Fios video streams to automate server health checks—including routing, hardware configurations, and cloud connectivity verification—streamlining maintenance and diagnostics and improving check speeds by 95%.