ELAINE DONG

(704) 941-9184 | elainedong520@gmail.com | Chapel Hill, NC | Portfolio: elaine331917.github.io | GitHub: elaine331917

EDUCATION

The University of North Carolina at Chapel Hill <div align="right">**Chapel Hill, NC**</div>
Computer Science, B.S. and Information Science, B.S. <div align="right">*August 2020 - May 2024*</div>
- **GPA:** 3.97/4.00
- **Honors and Societies:** Dean's List (All Semesters), SILS Scholarship, Phi Beta Kappa Honor Society
- **Relevant Courses:** Foundations of Software Engineering, Modern Web Development, Data Structures and Algorithms, Foundations of Programming, User Interfaces, Files and Databases, VR and 3D Graphics, Web Design

SKILLS

Programming: Python, HTML, CSS, SQL, TypeScript, JavaScript, Java, PHP

Frameworks & Libraries: Angular, React, Bootstrap, SQLAlchemy, FastAPI, RxJS, Vue.js, Laravel

Tools: Figma, Git and GitHub, Docker, AWS, MongoDB, Unity, PostgreSQL, Agile, unit testing, usability testing

PROJECTS

LLM Prompt Library | Ally Financial Tech Scholar Project <div align="right">**August 2023 - Present**</div>
- Build a prompt library and prompt management system to help employees utilize large language models, allowing users to vote on, sort through, and filter prompts.
- Utilize **React** to create an intuitive frontend and **JavaScript**, **Node.js**, and **AWS** to build a robust backend capable of handling vast amounts of data.

Around the Block | User Interfaces Project <div align="right">**May 2023**</div>
- Researched, designed, and developed a responsive and accessible full stack website for artists that generates art challenges and allows users to share and view community artwork.
- Designed website with **Figma** and developed all of the frontend with **Angular**, **HTML**, and **CSS**. Wrote **TypeScript** functions for for retrieving and populating data following REST API principles. Debugged **Python** functions in the backend.

CSXL Workshops | Foundations of Software Engineering Project <div align="right">**April 2023**</div>
- Led a team of 4 using Agile methodologies to develop a new workshops feature for the UNC CS Experience Lab's website using **Angular**, **TypeScript**, and **RxJS** in the frontend and **Python**, **SQLAlchemy**, and **FastAPI** in the backend.
- Developed functions for populating data and registering for workshops and wrote Pytest unit tests for backend functions. Conducted code reviews for teammates on GitHub as the technical lead.

Polaris Navigation | Modern Web Development Project <div align="right">**May 2022**</div>
- Collaborated with a team of 5 to design and develop an accessible navigation web app for UNC's campus using **Angular**, **Python**, **MongoDB**, and **Figma**.
- Designed user interface of website and potential mobile app using Figma, set up database schema with MongoDB, and connected form submissions from the frontend to backend.

EXPERIENCE

UNC Center for Health Promotion and Disease Prevention <div align="right">**Chapel Hill, NC**</div>
Web Development Intern <div align="right">*August 2023 – Present*</div>
- Work with senior developers in Agile workflow to create new features for a website that provides 9,000+ childcare programs with tools to help child development and lifelong health.
- Utilize **PHP** and **Laravel** in the backend and **JavaScript** and **Vue.js** in the frontend.

Star EV <div align="right">**Simpsonville, SC**</div>
Summer Technology Intern <div align="right">*May 2023 – August 2023*</div>
- Developed frontend of new e-commerce website serving 150+ dealerships using **HTML**, **CSS**, and **JavaScript** in collaboration with marketing team members. Wrote **SQL** queries to create business reports from large databases.
- Designed interface of dashboard display screens for new vehicle models, creating wireframes and prototypes using **Figma** to enhance end user experience.

UNC Computer Science <div align="right">**Chapel Hill, NC**</div>
Software Developer (Toolsmith) <div align="right">*August 2021 – May 2022*</div>
- Worked with a team of 3 to maintain a full stack web application to track academic progress of 200+ Computer Science graduate students.
- Improved usability with **HTML**, **CSS**, and **Bootstrap** in the frontend, added new form submissions with **Express.js** and **MongoDB** in the backend, and wrote Cypress unit tests to ensure application accuracy.