LEE JANZEN-MOREL

Full Stack Software Engineer

ljanzen@uw.edu | 206-571-5108 | linkedin.com/in/leejmorel/ | www.github.com/leejmorel.github.io

EXPERIENCE

Software Engineer I – *Delfina Care, Seattle, WA* **APRIL 2025 – PRESENT**

- Worked on a legacy code base as a junior software engineer, developing both frontend and backend systems for the Delfina Care platform with direct mentorship. Utilized Python for backend data pipelines and Firebase integration, while building a React-based, accessible UI for intuitive data analysis by maternal health professionals. Designed and implemented scalable APIs to manage healthcare data, optimizing data processing systems for improved performance. Contributed to technology-driven solutions aimed at enhancing maternal health outcomes through secure, efficient, and reliable data handling.

Undergraduate NLP Researcher – *Paul G. Allen School, Seattle, WA* **SEPTEMBER 2023 – SEPTEMBER 2024**

- Programming in Python and Jupyter Notebook for statistically relevant data analysis and visualization. Prompt generation for LLMs such as ChatGPT and Llama 2 for exploratory research. Creating UI using a React frontend for accessible data analysis. Successfully co-authored and published a workshop paper which was orally presented April 2024 for the AAAI conference.

PROJECTS

MarvelVerse (leejmorel.github.io/MarvelVerse) – *Student* **SEPTEMBER 2023 – DECEMBER 2023**

- Won Teacher's choice award for best interactive data visualization out of 75+ projects. React front end app with Java backend creating a custom graph ADT, traversing via DFS or weighted graph traversal algorithms. Emphasized Java documentation, clean code, and product testing.

PathKit (pathkit2e.com) – *Student* **APRIL 2023 – JUNE 2023**

- Full-Stack app for both mobile and desktop made using React, Rust, SQLite, and Vue.js. The focus of this course was implementing the software development lifecycle (SDLC) with a team. Learned Code Review, Testing, Agile, Scrum, Debugging, Technical Documentation, formal Pull Request process, and how to go from idea to launch. Application and initial proposal are my design, and I ran this project both as the Lead Developer and Project Manager to successful deployment. Code Owner for pull requests, ran testing code as submitted and created bug reports, built DevOps automation for new builds and releases of both the application and website.

Solala (Solala.app) – *Personal Project* **JUNE 2022 – SEPTEMBER 2022**

- React Native app to help with scheduling prioritization and mental health management. Lead team of 13 fellow UW Students. Implemented OAUTH login using Firebase, built react hooks to connect weather API, and integrated SQL database on Azure utilizing my project architecture. Conducted team meetings utilizing Agile best practices to delegate animation, graphics, and research aspects of the project.

VOLUNTEERING

Ability Public Relations Officer – *Paul G. Allen School, Seattle, WA* **SEPTEMBER 2023 – JUNE 2024**

- Increased external partnership events by 200% through networking, increased overall events held by 65% by implementing Agile best practices, created accessibility tutorial course for front end web deployment using React Typescript.

SKILLS

Technical

Java, SQL, HTML5, CSS, Technical Writing, React, SQLite, Python, Prompt Generation, Agile, Git, R, Rust, Vue.js, Swing, JavaScript, Node.JS, Accessibility, Azure, C++, C#

Interpersonal

Communications, Visual and Oral Presentations, Team Collaboration, Empathetic Problem Solving, Organization, Self-Motivated, Efficient Time Management, Creativity, Analytical Thinking, Adaptable

EDUCATION

University of WA, Paul G. Allen School, Seattle, WA – *B.S. in Computer Science 2024*

AWARDS

Allen School Undergraduate Service Award 2023 – *Awarded to 1-4 top graduates for exceptional student advocacy.*

- Recognized for improving DEIA services and creating a study center that boosted academic performance.

University of WA Annual Dean's List 2023 – *GPA higher than 3.5*

NAEOP TRIO Achiever Award 2021 – *TRIO students who have made outstanding contributions to society*

Chambers Commitment to Academic Excellence 2021 – *TRIO students with significant academic merit (2+ years of 4.0 GPA)*