

# Younes Lahrichi

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## EDUCATION

### University of Washington

Bachelor of Science: Computer Engineering

Minor: Computer Science and Software Engineering / Mathematics / Data Science

Bothell, WA

Mar 2024

## WORK EXPERIENCE

### T-Mobile

Software Development Engineer Intern

Bellevue, WA

May 2023 – Present

- Developed English-to-SQL engine using Langchain in Python, seamlessly translating natural language queries to SQL commands, integrated with frontend.
- Architected backend logic, leveraging Langchain for accurate conversion of intricate English queries to SQL.
- Implemented a robust testing framework with unit tests and integration tests to ensure accurate translation.
- Optimized application performance by refining code, resources, and SQL query generation.
- Enforced data security via input validation, SQL injection prevention, and pass through authentication.
- Successfully launched a user-friendly application, enabling intuitive natural database interactions.

### Quranic

Software Engineer Intern

Seattle, WA

Aug 2023 – Present

- Designing, building, and implementing a visually appealing and user-friendly interface for both web and mobile platforms using Flutter.
- Utilized Firebase Authentication as a provider to enable email/password, social media, or SSO authentication.
- Designed and implemented a seamless registration and login process with email verification and password reset for enhanced security.
- Conducted rigorous testing and debugging by writing unit, widget, and integration tests to ensure reliability.

### Seattle Community Network

Software Engineer Research Intern

Seattle, WA

Feb 2023 – May 2023

- Maintained a mobile application that captures and analyzes network connectivity data in real-time.
- Provided real-time problem-solving guidance to team members, to help resolve issues.
- Designed and implemented an interface that allows users to view network metrics.
- Conducted extensive testing to ensure the accuracy and reliability of network connectivity data.

### Schweitzer Engineering Laboratories

Software Engineer Intern

Seattle, WA

Sept 2022 – May 2023

- Designed and implemented a full-stack web application to deliver work instructions to an AR headset.
- Utilized MongoDB to efficiently store and retrieve the application data.
- Implemented a server-side routing and API endpoint creation with Express.js.
- Built dynamic and responsive user interface using React, hooks, and context.
- Implemented user authentication and authorization using JSON web tokens (JWT).

## PROJECTS

### Eco Ryde (4<sup>th</sup> Place @ UW ACM Hackathon), Full-Stack Developer

May 2023 – May 2023

- Designed a sustainable rideshare platform emphasizing carpooling and reducing carbon footprint.
- Created a user-friendly website for event travel planning, allowing users to host and find rides efficiently.
- Utilized React for frontend and Express/Firebase for backend to ensure a responsive and secure platform.
- Built an appealing frontend within a tight deadline, which focused on the user experience.

### Portfolio, Full-Stack Developer - <https://lahrichiys.netlify.app/>

June 2023 – Sept 2023

- Designed and launched a dynamic, user-friendly React portfolio showcasing my abilities.
- Integrated personalized project listings to provide a comprehensive view of my work.
- Regularly updating the portfolio to reflect ongoing growth.
- Ensured smooth deployment using Netlify.

### CountrPicker, Full-Stack Developer

June 2021 – Sept 2021

- Designed and built a mobile application for the popular MOBA game Dota 2.
- Utilized current game trends to suggest the optimal hero counter pick.
- Boosted draft win rates by 35%.
- 50+ concurrent users.

## ADDITIONAL INFORMATION

**Skills:** Java, Python, C++, JavaScript, TypeScript, HTML, CSS, SQL, React, Angular, Express.js, Git, Docker, FastAPI

**Honors & Organizations:** 4x Quarter Dean's List Recipient; Member of UWB ACM, IEEE, MSA, ASA