

SAMUEL JADZAK

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EDUCATION

Oregon State University
Bachelor's, Computer Science

January 2020 - September 2023
GPA: 3.22

PROFESSIONAL EXPERIENCE

St Charles Health System
Laboratory Support Services

Bend, OR, USA
October 2020 - Present

- Utilized strong interpersonal skills in an office setting to address laboratory inquiries from patients and providers, deliver test information to clinics, and navigate the EPIC medical record system, facilitating seamless customer engagement.

Oregon State University
Software Engineering Internship

Corvallis, OR, USA
July 2023 - October 2023

- Starting from zero knowledge of Robot Operating System, iterated quickly to develop a novel GPS way-point following solution within 3 months using A* search and linear quadratic estimation of position measurements taken by simulated GPS, lidar, and inertial measurement unit.
- Collaborated in an Agile research environment to define requirements, design, implement, test, and document a USV autonomous navigation system.

PROJECTS & OUTSIDE EXPERIENCE

JOS
Student

Corvallis, OR, USA
September 2022 - December 2022

- Created a simple operating system with memory management, user environments, and Unix-like functions using the C programming language
- Based on the MIT JOS Engineering Lab.

RC Control
Student

Corvallis, OR, USA
January 2023 - March 2023

- Implemented IR communication between embedded systems with the Atmel microprocessor using AVR assembly to send control data to an RC car.

Mokt
Fullstack Developer (Frontend/Backend)

Canby, OR, USA
January 2024 - May 2024

- Created an open source AI mock technical interview platform with a built in code editor, real time in browser speech detection and transcription using whisperC++ and web assembly, and near real time speech synthesis through Azure cognitive services.
- Built using React.js, Wasp DSL, PostgreSQL database, and Google Cloud authentication.

SKILLS

Skills: Python, Docker, Java, JavaScript, Linux/Unix, NumPy, HTML/CSS, C/C++, SQL, TypeScript, Web Development, React.js, Pandas, Computer Vision, C#