

JACK MCLEOD

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Career Objective

I am a highly motivated software developer with multiple years of work experience in full-stack development. I am eager to learn, embrace the chance to hone my current skills, or be challenged based on the needs of the role. I am looking forward to contributing to a team in this field of work.

Profile of Skills

- Work experience using programming languages and tools such as, Electron, React, TypeScript, JavaScript, CSS, HTML, Python, and Git.
- Academic experience in C, C#, Java, SQL, Unity, OpenGL, Django, Android Studio, Selenium, and JUnit.
- Experienced in web development creation, mobile app development, and software testing.

Education

Bachelor of Computer Science Honours, Software Engineering Specialization September 2017-December 2021
University of Windsor, Windsor Ontario

Work Experience

Software Developer January 2023-Present

Proto Manufacturing, LaSalle, Ontario

- Lead front-end developer for multiple systems, ensuring client needs are being met efficiently while sustaining our products high standard of quality.
- Create and maintain software products for customers such as NASA and Johns Hopkins University.
- Partnered with fellow developers to implement RESTful APIs that serve data to the front-end operated by hundreds of users.
- Refactored single use code into reusable components with large performance boosts to save 100+ hours of development time.

Projects

Handheld Imaging Device – Lead Front-End Developer

- Developed a touchscreen interface for image captures of computer hardware, that when sent to an AI, can teach it to detect if the hardware is fake.
- Receive responses from the AI such as regions of interest that should be double checked by an operator to ensure the hardware has been correctly marked as a fake.

Single Crystal – Full-Stack Developer

- Created a responsive application for users to perform x-ray diffraction and single crystal analysis.
- Developed and managed a database for user accounts used for file security.
- Created 3D interactive models for modeling data collection using React Three Fiber and three.js.

Laue – Full-Stack Developer

- Developed an API and video livestream with astronomy cameras and detectors to show real time x-ray diffraction images.
- Increased code clarity and project architecture through code reviews and testing by removing thousands of formatting issues.

Kayahara Website – Creator and developer

- Created a website for a nonprofit Judo club in the LaSalle area using HTML, CSS, and JavaScript.