

Enoch He

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EDUCATION

University of Waterloo

Bachelor of Computer Science, Artificial Intelligence Specialization, Honours Co-op Program

Sep 2023 - Present

GPA: 3.8/4.0

SKILLS

- **Languages:** C/C++, Java, Python, JavaScript, TypeScript, SQL, PHP, HTML/CSS, Bash
- **Frameworks/Libraries:** React, jQuery, MUI, Tailwind CSS, Bootstrap, Selenium, PHPUnit, Symfony, Doctrine
- **Developer Tools:** GitHub/Git, Sourcetree, VS Code, PostgreSQL, Firebase, pgAdmin, Figma, Jira, Confluence

EXPERIENCE

Polaris Intelligence

May 2024 – Aug 2024

Software QA Developer (Co-op)

Toronto, Ontario

- Pioneered the implementation of **PHPUnit testing**, integrating **150+** functional tests for backend Symfony controller endpoints and DOM crawler testing to save the team **3+** hours per week using PHP, PHPUnit, and the Doctrine ORM
- Increased automated test coverage by **~10%** with **Selenium regression and smoke tests**, reducing manual testing efforts
- Developed and updated **React components** with CSS and jQuery to update PHP Twig templates, enhancing UI
- Utilized **SQL** to rigorously test WebSocket connections, optimize database storage and query performance, and conduct security tests to prevent SQL injection attacks
- Identified and thoroughly documented **200+** bugs in Jira, streamlining resolution processes to enhance product quality

SlimeScholars

Dec 2023 – April 2024

Front-End Developer

Waterloo, Ontario

- SlimeScholars is a startup by University of Waterloo students that aims to gamify primary/secondary education
- Revamped the gameplay tutorial system UI and content using **10+ Figma designs** and modified the backend tutorial model to enhance reusability, optimizing **maintenance efficiency**
- Created **3** dynamic webpages and **15+** reusable React components using TailwindCSS, enhancing UI consistency

Scarborough Toyota

Jul 2022 – Aug 2022

Automotive Technician

Toronto, Ontario

- Provided service and repairs for **400+** varying vehicles, including **10+** car engine and differential repairs
- Ensured client and customer satisfaction by consistently delivering high-quality service in ECU software updates, brake servicing, oil changes, car calibration, installations, and PDIs

PROJECTS

Verbalyst |

- Received **“Best Web Award”** and **\$2750** in prizes out of **700+** other hackers in Ignition Hacks v.3 for Verbalyst
- Designed a multi-faceted, interactive front-end by utilizing **Bootstrap**, **Flowbite components** and **TailwindCSS classes**
- Developed layered functionality by employing **JavaScript** for audio and camera recording and harnessing **AssemblyAI** for precise audio-to-text transcription
- Leveraged **Google Vertex AI’s** language learning model PaLM-2 Chat-Bison 001 to provide insightful feedback of the transcription through **prompt engineering**, and established connectivity from back-end to front-end using **Flask**

AtTune |

- Placed **12th** in RecessHacks 3.0 out of **300+** participants with AtTune, a website created to return the user a playlist of songs that match the user’s inputted emotion
- Used Flask and Python to integrate the **Spotify Web API** into the back-end alongside Bootstrap and HTML/CSS for a polished and theme-appropriate front-end