

Enoch He

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EDUCATION

University of Waterloo

Bachelor of Computer Science, Honours Co-op Program

Sep 2023 - Present

GPA: 3.8/4.0

SKILLS

- **Languages:** C/C++, Java, Python, JavaScript, SQL, PHP, HTML/CSS, Bash, Racket
- **Frameworks/Libraries:** ReactJS, jQuery, Material UI, Tailwind CSS, Selenium, PHPUnit, Symfony, Doctrine, Bootstrap
- **Technologies:** GitHub/Git, Sourcetree, VS Code, PHPStorm, PyCharm, PostgreSQL, pgAdmin, Figma, Jira, Confluence

EXPERIENCE

Polaris Intelligence

May 2024 – Present

Software QA Developer (Co-op)

- Integrated **10+ unit tests** into **application tests** for **backend Symfony controller endpoints** and **web crawler testing** using **PHPUnit** and **PHP**; automated **regression tests** and **smoke tests** by writing **Selenium Python scripts**
- Documented **90+ bugs** through **Jira**, **Confluence**, and the **Agile methodology**, enhancing **software robustness**
- Created **ReactJS functional components** with **CSS** and **jQuery** to update **PHP Twig templates**, enhancing UI
- Used **SQL queries/commands** on **pgAdmin** to rigorously test websockets and optimize **PostgreSQL** operations

SlimeScholars

Dec 2023 – Feb 2024

Front-End Developer

- 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 **15 Figma designs** and revamped the backend tutorial model to enhance **reusability** and **scalability**, optimizing **maintenance efficiency**
- Updated **5+ webpages** and **12+ ReactJS** components with **TailwindCSS** to improve **user friendliness**

Scarborough Toyota

Jul 2022 – Aug 2022

Automotive Technician

- Provided service and repairs for **400+** varying vehicles, including **10+** car engine and differential repairs
- Primarily responsible for ECU software updates, brake service, oil change service, car calibration, installations, and PDIs, ensuring client/customer satisfaction with a firm commitment for excellence

PROJECTS

Verbalyst |

- Received **“Best Web Award”** out of **700+** other hackers in Ignition Hacks v.3 (2023) for Verbalyst, a website designed to aid individuals who have speech impediments and help users gain newfound confidence in their speaking abilities
- Designed a multi-faceted, interactive front-end by utilizing **Flowbite components** and **TailwindCSS** classes
- Developed **layered functionality** by employing **JavaScript** for **audio and camera recording**, harnessing **AssemblyAI** for precise **audio-to-text transcription**
- Leveraged **Google Vertex AI’s** Language 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 as music has been researched to serve as a therapeutic tool
- 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