Enoch He

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EDUCATION

University of Waterloo   **Sep 2023 - Present**
Bachelor of Computer Science, Honours Co-op Program   GPA**: 3.8/4.0**

SKILLS

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

EXPERIENCE

Polaris Intelligence   **May 2024 – Present**
Software QA Developer (Co-op)
- **Pioneered** the implementation of **PHPUnit testing**, integrating **75+ functional tests** into **8+ application tests** for **backend Symfony controller endpoints** and **DOM crawler testing** using **PHPUnit**, **PHP**, and the **Doctrine ORM**
- Increased automated test coverage by **10%** with **Selenium regression** and **smoke tests**, reducing manual testing times
- Documented **120+ bugs** through **Jira**, **Confluence**, and the **Agile methodology**, improving software robustness
- Developed **React.JS functional components** with **CSS** and **jQuery** to update **PHP Twig templates**, enhancing UI
- Used **PostgreSQL** queries/commands on **pgAdmin** to test **WebSocket sessions** and **optimize database 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 **10+ Figma designs** and redesigned the backend tutorial model to enhance **reusability** and **scalability**, optimizing **maintenance efficiency**
- Updated **3 webpages** and **15+ React.JS** 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**, and 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