Eric Peng

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EDUCATION

BASc. in Computer Engineering   09/2020 – 12/2024
University of Ottawa

PROFESSIONAL EXPERIENCE

Automation Developer   09/2023 – 12/2023
Global Affairs Canada
- Created and executed test cases using **Nightwatch.js** for the New Export Import Control System (NEICS) project.
- Updated test cases, migrating **Java** test cases into **Nightwatch.js**, **decreasing test runtime by up to 55%**
- Verified functionality of **SQL** databases associated with NEICS website.

Software Developer   01/2023 – 04/2023
Sec Dev
- Developed TikTok web-scraping programs with **Python Flask** and **Selenium**.
- Debugged and implemented features on **JavaScript**-based extensions.
- Intercepted and processed TikTok JSON data using **Python Flask** and a **JavaScript**-based Chrome extension.
- Automated web-scraping extension testing using Node.js Puppeteer, **increasing coverage by 35%**

Software Developer   05/2022 – 08/2022
Employment and Social Development Canada
- Created **Junit** test cases with **Mockito** for the Benefits Delivery Modernization (BDM) project.
- Validated API endpoints with **Insomnia**.
- Optimized **Spring Boot** application run times, **reducing runtime by up to 25%.**

SKILLS

- Backend: Java, Python, C, Spring Boot, Flask

- Frontend: HTML, CSS, JavaScript, React, Node.js

- Digital design: Verilog, VHDL

- Tools: Git, AWS, Insomnia, Maven, Docker, Selenium, Puppeteer, NoSQL

PROJECTS

Android Car Rental Platform
- Built **Android** application and views using **Java** and **AndroidX** library.

Student co-op work term rating website
- Created a website for students to rate their co-op work placements using **HTML**, **CSS**, and **React.** Used **Material UI** for the interfaces, and **Java Spring Boot** for backend, with **NoSQL** database integration in **Google Firebase**.

VOLUNTEERING AND MORE

Queens University Chancellor IV Debate tournament
- Novice Semi-finalist

Engineering 101 week volunteer
- Assisted in planning and executing activities for 101 week

uOttawa English Debate Society high school tournament volunteer
- Assisted in judging debate rounds at the tournament