Eric Peng

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SKILLS

- Backend: Java, Python, C, Spring Boot, Flask
- Frontend: HTML, CSS, JavaScript, React, Node.js
- Digital design: Verilog, VHDL
- Tools: Git, AWS, MS Azure, Insomnia, Maven, Docker, Selenium, Puppeteer, SQL

PROFESSIONAL EXPERIENCE

Automation Developer   Sep 2023 – Dec 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%**
- Ensured seamless synchronization between NEICS webpage content and **SQL database** content.

Software Developer   Jan 2023 – Apr 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   May 2022 – Aug 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%.**

PROJECTS

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

Rate My Co-op Website
- Created a website for students to rate their co-op work placements. Front-end was built using **Material.UI** and other **React** libraries.
- Back-end support was building using **Java Spring Boot**, with **SQL** database integration based in **Azure**.

VOLUNTEERING AND MORE

uOttawa English Debate Society High School Tournament 2024 Co-Director
- Co-directing upcoming Fall 2024 EDS High Schools debate tournament.

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

EDUCATION

BASc. in Computer Engineering   Sep 2020 – Dec 2024
University of Ottawa