# 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, Insomnia, Maven, Docker, Selenium, Puppeteer, NoSQL

## 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 using **HTML**, **CSS**, and various **React frameworks** for the frontend**.**
- Used **Java Spring Boot** for backend functionalities, 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 and substitute debating at the tournament.

## EDUCATION

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