

ERIC PENG

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SKILLS

Backend: Java, Python, C, Spring Boot, Flask, Node.js

Frontend: HTML, CSS, JavaScript, React

Digital design: Verilog, VHDL

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

WORK EXPERIENCE

Software developer, Sec Dev

Jan 2023 – Apr 2023

- Developed TikTok web-scraping programs with **Python** flask and **Selenium**.
- Debugged and implemented features on **JavaScript**-based TikTok data-scraping 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**.

Development student, ESDC

May 2022 – Aug 2022

- Validated API endpoints with **Insomnia**.
- Created **Junit** test cases in **Java** with **Mockito** to improve code reliability.
- Debugged code with **IntelliJ's** breakpoint and step in/out tools.
- Documented API parameters and responses in **Confluence** pages.
- Optimized **Spring Boot** application run times.

PROJECTS

Android Car Rental Platform

- Built Android activities and views using **Java** and **AndroidX** library.

FPGA ALU

- Implemented logic components and **VHDL** programming to construct an ALU.

EDUCATION

Sep 2020 – Dec 2024

BASc in Computer Engineering, **University of Ottawa**