ERIC PENG

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PERSONAL 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.

Personal Website

- Created a simple personal website hosted by **GitHub** pages using **CSS** and **HTML5**.

EXPERIENCE

May 2022 – August 2022
Employment and Social Development Canada *Student Developer*

- Validated API endpoints with **Insomnia**.
- Configured automatic email messaging in **CrushFTP**.
- 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.
- Worked on Benefits Delivery Modernization payments backend systems.

July 2021 – August 2021
BGC St. Alban's *Summer Camp Mentor*

- Planned science experiments and arts activities for 20 campers.
- Communicated with other staff at BGC St. Alban's to ensure best camper experience.

Volunteering Experiences

Ontario Science Centre *Summer camp volunteer*
University of Toronto *Science Rendezvous volunteer*
University of Ottawa *101 week volunteer*

PROGRAMMING SKILLS

- JAVA
- JAVASCRIPT
- PYTHON
- HTML5
- CSS
- REACT
- SPRING BOOT
- CRUSHFTP
- INSOMNIA
- MAVEN
- GIT

DIGITAL DESIGN SKILLS

- VHDL PROGRAMMING
- FPGA DESIGN
- ALTERA QUATUS II

EDUCATION

2020 - 2025
University of Ottawa
BSc. In Computer Engineering