Fiona Kuang

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Canadian Citizen

Education – University of Toronto, 2020-2025

BASc Computer Engineering – 3.7/4.0 GPA

Skills

- Programming languages: **C/C++**, Ruby, **SQL**, **Verilog**, Assembly, Python, **JavaScript**, **HTML/CSS**, PHP
- Flow automation: Jenkins
- Knowledge in Microsoft Office, Google Workspace, **Linux** Environment
- Version control: Git, Perforce
- Strong time management skills, able to work efficiently
- Ability to work independently and in a team environment
- Organized and attentive to details
- Good customer service
- Fluent in English, Cantonese; Intermediate level of French, Mandarin, Latin

Work Experience

SOC DV Infrastructure Team Co-op – AMD, May 2023 – June 2024

- Created **Ruby** scripts to automate System **Verilog** testbench debugging
- Created a GUI using **JavaScript, HTML,** and **CSS** to fetch and display large quantities of data from **SQL** database in an accessible manner

Summer Student – Aviva, May-Aug 2022

- Assisted with setting up claims over phone and email during a major event
- Recorded high amounts of data with accuracy to facilitate storage of documents

Relevant School Projects

Geographical Information System – Software Communication & Design Project

- Created functions and data structures to store and process large volumes of information in **C++**
- Designed and implemented graphical interface for usability and responsiveness
- Implemented an algorithm to search for an optimal path between multiple locations

Blood Cell Classifier – Applied Fundamentals of Deep Learning Project

- Used **PyTorch** to create a hybrid CNN-RNN machine learning model to identify between photos of 8 types of red blood cells

Pedometer – Computer Hardware Project

- Programmed a STM32 microcontroller in **C** to read data from an accelerometer via SPI protocol
- Determined the number of steps by taking a dot product average of the acceleration data
- Displayed the step counter on an LED screen

Awards, Certificates, and Accomplishments

- Dean's Merit Award, Faculty of Engineering, University of Toronto – 2020

Relevant Courses

Programming Fundamentals, Digital Logic, Software Communication & Design, Computer Organization, Computer Hardware, Introduction to Databases, Operating Systems, Algorithms & Data Structures, Digital Electronics, Applied Fundamentals of Deep Learning, System Mapping

Interests

- Painting, Arts and Crafts
- Badminton
- Video Games
- Reading