

Michelle Tang

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Education

University of Ottawa | Ottawa, ON, CA

September 2017 – May 2022

Bachelor of Applied Science in Computer Engineering, CGPA 7.28/10.00

Skills

Programming: Java, Python, C, C++, JavaScript, SQL, Node.js, Ionic, Angular

Platforms: Linux (Ubuntu, Debian), VM VirtualBox

Software: Android Studio, Altera Quartus II, Azure, IntelliJ, SolidWorks, OpenCV, GitHub, BitBucket

Communication: Design proposals, technical reports, instruction manuals, presentations (large and small audiences)

Languages: English (native), French (conversational)

Experience

Department of Finance Canada | Ottawa, ON, CA

May 2021 – December 2021

IT Security Analyst

- Investigated security incidents through Microsoft Azure in an effective and timely manner.
- Wrote 15 KQL queries that resulted in automated monitoring rules.
- Researched and approved the installation of 5 new software, which included assisting in the integration of Notion.
- Created simulated phishing campaign to test user awareness in the department.

Public Services and Procurement Canada | Ottawa, ON, CA

May 2019 – May 2020

Junior Maintenance Management Specialist

- Planned procurement and installation of electric vehicle charging station usage across the National Capital Region.
- Revised Electrical Single Line Diagrams for building maintenance on AUTOCAD.
- Translated technical reports from English to French.

Projects

Robot Delivery System

Fall 2021 – Winter 2022

Software Developer / Capstone Project

- Designed the software architecture used to build Ionic CRUD application in Angular and Typescript.
- Set up and created 10 sample test cases in the Google Firestore for testing.
- Developed 13 API services to integrate web application and database.
- Assigned and distributed work among team members to ensure requirements and deadlines were met.

Dental Office Application

Winter 2022

Software Developer / Databases I Course Project

- Designed ER diagram and ER relations following project requirements to ensure good database design.
- Wrote SQL queries for web application to read, write, update, and delete data.
- Built 3 REST APIs in PHP for webapp to communicate with MySQL database.

Intelligent Distribution Panel Project

Winter 2022

Software Developer / Real Time Systems and Design Course Project

- Designed scheduling of software modules to ensure that hardware constraints were met.
- Designed and coded data collection and analysis modules in C to meet functional requirements.
- Documented design and updates to the project in a technical document.

Leadership and Activities

IEEE Women in Engineering (WIE) UOttawa | Ottawa, ON, CA

September 2019 – May 2020

Design Commissioner

- Created promotional content for WIE events posted on social media
- Created proposal brochure presented to sponsors for the WIE Annual Wine and Cheese Night