Christina Song

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EDUCATION

BSc with Honours in Computer Science　　　　　　　　　　　Sep 2020 – Present
University of Ottawa　　　　　　　　　　　　　　　　　　　　　Ottawa, ON
- Expected graduation date: May 2025
- CGPA: **8.94/10.0** or **3.9/4.0**

SKILLS

Programming Languages
C/C++ • C# • Java • Python • Go • SQL • JavaScript • Typescript • HTML/CSS/SCSS

Tools and Frameworks
React • Redux • Express.js • Spring Boot • AWS DynamoDB • MySQL • AndroidStudio • GitHub • Linux

WORK EXPERIENCE

Software Developer Intern　　　　　　　　　　　　　　　May 2024 – Aug 2024
Intuit - TurboTax　　　　　　　　　　　　　　　　　　　　　Toronto, ON
- Created the Canadian Product and Pricing page using **React** and **Typescript**
- Singlehandedly investigated the integration of design libraries, rendering systems, and pricing services
- Designed a tech system along with a senior engineer that followed **dependency inversion**
- Planned the project execution by breaking it into tickets that could be worked in in parallel, prioritized tasks based on a tight deadline

Embedded Software Network Developer　　　　　　　　　Aug 2023 – Apr 2024
Ciena　　　　　　　　　　　　　　　　　　　　　　　　　　Ottawa, ON
- Modified existing testing infrastructure in **Python** to allow testing on **network topologies** containing both 6500 and WaveRouter devices
- Automated **logical port**, **IP interface**, and **MPLS** configuration using Python

iXp - Concur Spend Software Developer　　　　　　　　Sep 2022 – Apr 2023
SAP　　　　　　　　　　　　　　　　　　　　　　　　　　Vancouver, BC
- Created and modified APIs in a **Spring Boot Java** application using **AWS DynamoDB** to store data
- Wrote **Redux** actions and reducers, and created **React** components in **JavaScript** to implement a new feature to search and filter expense types
- Wrote tests using **JUnit**, **Mockito**, **Jest**, and **Enzyme** to ensure high code coverage

Teaching Assistant / Corrector　　　　　　　　　　　　Sep 2021 – Dec 2022
University of Ottawa　　　　　　　　　　　　　　　　　　Ottawa, ON
- Presented lab material and solutions along with another TA to **60+** students for a **Python** course
- Hosted weekly office hours to answer student questions about course material
- Corrected **260+** assignments and tests, resolved grade inquiries

Software Engineering Intern　　　　　　　　　　　　　May 2022 – Aug 2022
AEPONYX *Inc.*　　　　　　　　　　　　　　　　　　　　　Montreal, QC
- Created applications in **C#** using **.NET** and **Python** to automate lab tests and data analysis
- Communicated with multiple hardware devices using C# and Python
- Created user interfaces in **WPF** using **XAML** for handling measurement parameters, device connection, and presentation of results

Web Developer　　　　　　　　　　　　　　　　　　　May 2021 – Apr 2022
Treasury Board of Canada Secretariat　　　　　　　　　　Ottawa, ON
- Used **JavaScript** and **Typescript** to write and rewrite custom **React** components for improved usability and code maintainability
- Manipulated data using **lodash** to allow grouping data by specified attributes
- Selected out of 3 students to continue working part-time after the co-op term finished

PROJECTS

AuctionDApp - DeFi the Conventional Hackathon 2022 ⬀
- Created **smart contracts** using **Rust** and **CosmWasm**
- Created the frontend using **Terra.js** along with **React**, **JavaScript**, **HTML**, and **SCSS**
- Won **second place** in the Tooling category out of **239 participants**