SAMANTHA CHEN

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EDUCATION

Bachelor of Computer Science Honors Co-op // Carleton University
Sept 2018 - Apr 2023. Ottawa, ON
Concentration in Computer and Internet Security. Minor in Business. CGPA of 11.7/12.0 (A+).

WORK EXPERIENCE

Software Developer // Magnet Forensics
May 2021 - Aug 2021. Remote Internship.
- Utilized **C#** to add new features to AXIOM, a **.NET Application**, in accordance with the appearance of new and updated applications and operating systems, allowing users to acquire more data from digital evidence.
- Resolved **consumer reported bugs** promptly and reliably in an **agile** environment to ensure users are able to access the forensic data they need for their cases, increasing customer satisfaction.
- Conducted research to find methods to **increase the performance** of AXIOM when processing PST files and **collaborated** with team members to implement the methods that were deemed to be satisfactory which assist with customer retention.

Software Developer // Creative Layer
May 2020 - Aug 2020, Jan 2021 - Apr 2021. Remote Internship and Part-time.
- Updated a customer-facing application to utilize **Vue.js 3** and **TypeScript**, as well as adding **unit tests** to allow for more robust code.
- Refactored the front-end components of an internal product using **Vue.js** and **Tailwind CSS**, allowing for customer-facing applications to be developed and tested more efficiently.
- Constructed a prototype of a Shopify application using a **Node.js server** that sends **GraphQL** queries to Shopify stores, which will be used as a reference for future Shopify applications developed by Creative Layer.
- Utilized **REST APIs** to make requests to a **MySQL database** as well as to Facebook and Instagrams' APIs for data management and to provide more personalized usage options for customers.
- Examined the feasibility of future products using **AWS Sagemaker**, **S3 Buckets** and an internal tool and relayed the conclusions of research to upper management and prospective consumers.

Product Developer // Mitel
Sept 2020 - Dec 2020. Remote Internship.
- Implemented **WAI-ARIA** concepts into an internal chat system to allow for improved accessibility for those who are visually impaired and/or require keyboard navigation using **Angular** and **TypeScript**.
- Designed and polished new and existing **end to end (E2E) tests** using **Protractor** to ensure programs are running as intended.

Teaching Assistant // Carleton University
Jan 2020 - Apr 2020. Part-time.
- Improved students' understanding of **Python** and core programming concepts during labs and office hours.
- Ensured that assignments and tests were corrected with great attention to detail and in a timely manner so students are able to review and improve their understanding of concepts taught in the course.

SKILLS

javascript	typescript	vue.js	react	angular	python	node.js
html	css	sql	graphql	java	git	c++	c#	.net