

Zoey Xie

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EDUCATION

University of Toronto | *Bachelor's of Science in Computer Science*

September 2022 - Present

- Relevant courses: Software Development, Data Structures and Algorithms, Databases, Machine Learning
- Extracurriculars: Varsity Fencing, Women in Computer Science, UofTAI, IEEE

SKILLS

- Technical Languages: Python, Typescript, Java, C, R, HTML, CSS, SQL (MySQL, Postgres), KQL
- Tools: Git, AWS (Databases), Azure, Firebase, Node.js, Microsoft Office (Great Plan, Excel, Sharepoint, Access), Figma
- Frameworks and Libraries: sklearn, numpy, pandas, React, Flask, Tailwind.css, Maven, Junit, Django, tkinter, tidyverse

EXPERIENCE

Cybersecurity Consultant | PricewaterhouseCoopers (PwC)

May 2025 - August 2025

- Developed a comprehensive threat detection rule library of 50+ fully tested rules using **Microsoft Azure Sentinel, Splunk and pfSense Firewall logs**, mapped to **MITRE ATT&CK techniques** and optimized for production environments.
- Spearheaded generative AI and threat detection integration, identifying **3 high value solutions utilizing LLMs** and APIs to extract information and write detection rules. Authored a comprehensive **feasibility report** on possible solutions.
- Simulated threats using **Atomic Red Team** and virtual environments to **tune rules** and improve rule performance.

Solutions Architect Intern | AmerCareRoyal (ACR)

June 2024 - April 2025

- Led the **design** and implementation of the item discontinuation **workflow** by **coordinating 11 teams**, ensuring smooth communication and execution.
- Presented **biweekly project updates** to **senior leadership and key stakeholders**, adjusting project requirements and prioritizing tasks in an **Agile** manner using **Microsoft Planner**.
- Coordinated **user acceptance tests**, creating **end user scenarios** with **11 teams** and stakeholders to ensure the workflow met business requirements.

Data Analyst (Summer Student) | Drive Products Inc.

July 2023 - August 2023

- **Automated** inventory data collection using **Microsoft Excel macros and Great Plan**, increasing efficiency by **40%**.
- Designed **template** for labour revenue summary, combining **Microsoft Access, GP SmartList and Excel formulas**, to create user friendly reports.

PROJECTS

Food Predictor | Python

January 2025 - April 2025

- Implemented **Naive Bayes model** to predict a customer's three choices of food with **85% accuracy**.
- **Tuned model hyperparameters** (smoothing factors) using **cross-validation**, leading to a final model with 0.8765 mean accuracy on training data and an estimated 85% accuracy on the test set.

Qatalyst | Typescript, React, Node.js, Firebase

September 2024 - December 2024

- Designed a dynamic web application using **Typescript, React and Node.js**.
- Collaborated with **3 teams** in an **Agile environment**, organizing **bi-weekly meetings** with stakeholders to gather requirements, present updates, and adjust priorities based on feedback.
- Created **3+ API endpoints** to integrate **Firestore database**. **Tested** endpoints on **Postman**.
- Successfully deployed web app with **Firebase webframeworks and Firebase hosting**.

EXTRACURRICULARS

Director of Marketing | UofT Women in Computer Science

September 2023 - April 2025

- Led **three subteams**, organizing posts and continuously increasing engagement and reach through our social media platforms. **Reached over 10K+ people** over the last half of the year.
- Amassed an overall audience of **2K+ students** last year through **workshops, socials and hackathons** in collaboration with **Google, IBM and AMD**, providing **opportunities for underrepresented groups in tech**.