

Jamie Yi

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Education

University of Toronto

September 2021 – April 2025

Bachelor of Science in Computer Science, Minors in Mathematics, and Religion

CGPA: 3.81/4.00 **Awards:** Dean's List Scholar 2022, 2023, 2024; UofT Student Leadership Award 2024

Coursework: Operating Systems, Algorithms, Data Structures, Computer Networks, Databases, Software Design

Skills

Languages: C, C++, C#, Python, Java, SQL, PowerShell, JavaScript, HTML/CSS

Libraries/Frameworks: Pytest, Django, React, Terraform, Terraform Cloud

Developer Tools: GitHub/Git, Postman, Azure, AWS, SSMS, SQLPackage, Jira, Confluence

Professional Experience

Software Engineering Intern

May 2024 – August 2024

Manulife Financial Corporation

Toronto, ON

- Built a **Terraform** module to simplify **Azure** and **AWS** permission management for internal users. Created a **Terraform Cloud** workspace to automate deployments of the module.
- Fully automated a **Azure SQL** to **AWS RDS** data backup process by developing **PowerShell** and **Unix** shell scripts leveraging **SqlPackage** and **sqlcmd**, saving an estimated **2** hours per week of developer time.
- Supported the cloud architecture team conduct product evaluations for selecting a cloud backup-restore solution.

Software Development Intern

May 2023 – August 2023

Bell Canada

Toronto, ON

- Implemented a **Python** script to diagnose downed service routers and automate their recovery process, improving residential service uptime by **12%**. Reduced wasted technician dispatches by **36%**.
- Designed an improved ticketing system for service technicians when service equipment malfunctions.
- Ran unit tests on code using **Postman** and Nokia Services Platform API.

Leadership / Extracurricular

President

April 2024 – April 2025

Innis College Student Society, University of Toronto

Toronto, ON

- Managed a student association of 30 council members hosting events for and representing **2,200+** students.
- Secured a **\$10,000** per year annual grant for Innis College's student refugee program to fund additional housing.
- Spearheaded the launch of and volunteer at a weekly free breakfast program that **100+** students attend per week.

Student Developer

December 2024 – April 2025

UofT Blueprint

Toronto, ON

- Worked on a job board web app for the non-profit Toronto Community Employment Services.
- Contributed to a **React** app and wrote API endpoints to call on an **AWS S3** bucket.

Projects

PetPal | *HTML, CSS, JavaScript, Django, React*

- Created a pet adoption webapp in a group of 4 students. Built webpages using **HTML**, **CSS**, and **JavaScript**.
- Backend API was implemented using **Django** REST framework, **React** was used for the frontend to connect the HTML pages to the backend.

Home Server | *Server and Network Configuration, Unix*

- Built a file server running the FreeBSD **Unix**-like server OS that served as a network drive on my local network.
- Configured port forwarding on my local router to make services externally available.

Newtonian Apples | *C#, Unity Engine*

- Created an app to aid physics learning via 3 interactive modules simulating common physics questions.
- Developed the 2D kinematics web module in **Unity Engine**, using **C#** to achieve a realistic physics simulation.

Baking Grafana Dashboard | *Azure, SQL, Grafana*

- Set up an **SQL database** on a new **Azure** tenant populated with records of personal baking creations. Connected the database to **Grafana** to query and visualize the data.