

# 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:** 3.78/4.00      **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#, 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** scripts, 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

### Clubs & Merchandise Director

April 2022 – April 2024

### President

April 2024 – Current

*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 – Current

*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

### Home Server | *Server and Network Configuration, Unix*

- Built a multi-purpose home server that served as a network drive on my home network, and as a Minecraft server that any external host could connect to.
- Configured the FreeBSD **Unix**-like server operating system to enable desired features, as well as port forward network traffic 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.