

# Jamie Yi

[jamieyi.info](http://jamieyi.info) | [jamie.yi@mail.utoronto.ca](mailto:jamie.yi@mail.utoronto.ca) | [linkedin.com/in/jamie-yi](https://linkedin.com/in/jamie-yi) | [github.com/penguinc00kies](https://github.com/penguinc00kies)

## Education

---

### The University of Toronto

Toronto, ON

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

*Sep. 2021 – Apr 2025*

**CGPA:** 3.80/4.00     **Awards:** Dean's List Scholar 2022, 2023, 2024

**Coursework:** Operating Systems, Algorithms, Data Structures, Systems Programming, Databases, Graph Theory

## Skills

---

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

**Libraries/Frameworks:** Pytest, Kafka, Kibana/Elasticsearch, 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 automate **Azure** and **AWS** permission management for internal users. Created a **Terraform Cloud** workspace to automate deployments of the module.
- Established internal procedure for backing up **SQL databases** hosted on **Azure** and restoring them to **AWS**-hosted SQL databases. Created **PowerShell** and **Unix** scripts to automate Azure to AWS data migration.
- Supported the cloud architecture team in selecting a cloud resilience backup-restore solution. Discussed business needs with solution vendors and gave feedback on their products to the cloud architecture team.

### Software Development Intern

May 2023 – August 2023

*Bell Canada*

*Toronto, ON*

- Created a **Python** algorithm to diagnose downed service routers and automate their recovery process.
- Developed an improved ticketing system for service technicians when service equipment malfunctions. Communicated with non-technical stakeholders to discuss their needs of the end product.
- Used **Kafka Offset Explorer** to inject alarm messages into testing environment and then view messages in **Kibana** to validate code. Ran tests on preproduction code using **Postman** and Nokia Services Platform API.

## Leadership

---

### President

April 2024 – Current

*Innis College Student Society, University of Toronto*

*Toronto, ON*

- Oversee a student association hosting events, providing services, and advocating the needs for over 2,200 students.
- Secured \$10,000 in annual grants to fund Innis College's refugee student program.

### Clubs & Merchandise Director

April 2022 – April 2024

*Innis College Student Society, University of Toronto*

*Toronto, ON*

- Designed and sold over \$8,000 worth of Innis College-related merchandise annually.
- Manage budgets and provide support for events for 5 clubs that hundreds of Innis College students participate in.

## 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 anyone on external networks 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 a webapp 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 realistic physics trajectories for projectile launch, as well as adjusting the projectile trajectory depending on user input.

### 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.