Jamie Yi

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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; Innis Later Life Learning Award ($900) 2022, 2023

Coursework: Operating Systems, Algorithm Design, Data Structures, Systems Programming, Databases

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 PIM role eligibility assignments and AWS user group assignments. Created a **Terraform Cloud** workspace to automate deployments of the module.
- Established internal procedure for backing up **Azure** SQL databases and restoring them to **AWS** RDS instances. Created **PowerShell** and **Unix** scripts to automate Azure to RDS 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 2200 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 $8000 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

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.

Newtonian Apples | *C#, Unity Engine*

- Created a webapp to promote interactive physics learning, including 3 modules that simulated common physics questions; taking in user input to model different situations of the same type of question.
- 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.

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.