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, 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.
- Supported the cloud solutions architecture team in selecting a cloud resilience backup-restore solution. Liaised with solution vendors and tested their products to have a more informed opinion for the team.

Software Development Intern   May 2023 – August 2023
Bell Canada   *Toronto, ON*
- Spearheaded a project to reduce residential internet outage minutes on business and residential customers.
- Created a **Python** algorithm to diagnose downed service routers and automate their recovery process.
- 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 the operations of the council representing a student body of 2200 students. Hosted council meetings, planned social events, and advocating student initiatives & needs to staff.
- Secured $10,000 in grants from the university-wide student union 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 from scratch 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.