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| **Skills** |

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| **Languages** | Java, C/C++, Python, Golang, JavaScript, Vue, HTML5/CSS, Haskell, Turing, Bash | **Tools** | Git, AWS, Docker, Azure, GCP, JUnit, Maven, Postman, Terraform, Figma, Firebase, Unity |
| **Databases** | MongoDB, MySQL, DynamoDB, Neo4j | **Platforms** | Linux (Ubuntu, CentOS), macOS, Windows |

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| **Ideologies** | RESTful API’s, SOLID Principles, Agile Workflow, CI/CD, OOP, CRUD, UI/UX Design, Data Structures and Algorithms, Multi-Threaded Programming, System Software Development, Machine Learning |

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| **Education** |

Hon. BSc. Computer Science, *University of Toronto Scarborough* Sept 2019 - Apr 2023

* Specializing in Computer Science, focus on Software Engineering, awarded Dean’s List in 2019/2020

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| **Work Experience** |

Software Development Engineer Intern, *Twitch* June 2022 - Aug 2022

*Python, Golang, AWS SageMaker, AWS SQS, AWS Elasticsearch, AWS Lambda, AWS DynamoDB*

* Developed an auto-remediation tool for network interfaces spanning the entire Twitch infrastructure, handled over 1000 outage reports in two months, 22 of which were automatically corrected
* Utilized Amazon Lambdas to query interfaces for data points, converted data to JSON format and handed it over to Operations Engineers through a PagerDuty pipeline, developed tickets for downed interfaces through Jira’s API
* Utilized DynamoDB and AWS Simple Queueing Service to thoroughly test the auto-remediation tool, creating fake interface outages through a virtual device and responding appropriately when items appeared in DynamoDB through SQS
* Gave users the ability to run the auto-remediation tool manually through a command line interface

Security Engineer Intern, *TD Bank* Jan 2021 - Aug 2021

*Python, Microsoft Power Platform, Cortex xSoar, Postman, IBM Guardium, Jira, Confluence, Azure*

* Worked in a small, close-knit team focused on automating manual tasks throughout the TD Security department
* Created and maintained a script using the Microsoft Power Platform to alert staff and senior members of the TD Board (CEO, Senior Security Engineers) of a potential breach, cutting the overall response time drastically
* Developed and deployed an automated Python script using Cortex xSoar to repeatedly SSH into hundreds of development and production IBM Guardium servers and clear off excess data securely, saving dozens of man hours monthly
* Worked with various other teams to create thorough, in-depth documentation about several projects using Confluence

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| **Projects** |

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| Bonfire   * Created a Kanban app using Vue and NestJS, where users can create classrooms, spaces, assignments, etc. * Designed DB Schema using Prisma, used Firebase * Worked with a group of developers in Agile format over Discord, maintained velocity using CI/CD | PintOS   * Implemented MLFQs, virtual memory systems, system calls, and a filesystem in PintOS, an operating system written in C, assembly, and using Makefiles * Leading a team of three developers using Github for version control, scrum meetings in Discord |
| Microservices   * Created a ridesharing application that allows users to create a profile, enter a location, book a trip, etc. * Stored map data, user locations in MongoDB and calculated shortest routes using Dijkstra’s algorithm * Used Postman to send requests to a RESTful API gateway hosted on a proxy server run in Docker * Applied CI/CD practices, GitHub Actions for tests | Games/Other   * Created multiple games (Hole in the Wall, Zombie Survival, Legend of the Last Airbender on Github) in Java using graphical libraries (AWT and Swing) * Developed multiple Python bots; web scrapers, Discord bots, alert bots, stock checkers, etc. * Created a shell program implementing basic commands (mkdir, ls, cd, etc.) using Java, Maven |