Daniel Tran

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4A Computer Science at University of Waterloo

Skills

- **Languages** : Java, Python, C, C++, C#, PHP, SQL, HTML/CSS, JS
- **Tools/Tech** : Git, PostgreSQL, Spring Boot, .NET Core, Docker, Kubernetes, AWS, GCP, Maven, Jira, Linux, Android Studios, JetBrains IDEs, Visual Studio, VS Code, Postman, Adobe PS, InDesign and Illustrator, Arduino Microcontrollers
- Experienced with Object-Oriented Programming and programming concepts such as Algorithms, Data Structures, Design Patterns and Memory Management

Experiences

IBM Canada Limited — **Incoming Software Developer**   May - Aug 2021 , Ottawa , Ontario

Process Fusion Inc — **Software Developer**   Sept 2020—Dec 2020 , Toronto, Ontario

- Technologies : **C#, .NET Core, JS, Git,** Visual Studio, VS Code, Ubuntu, APIs, Postman, AWS
- Researched and developed a Zapier API integration connecting one of Process Fusion's applications to Zapier, providing users the ability to upload and download files from Process Fusion's application to and from Zapier
- Implemented changes to and tested API endpoints to match the needs of the integration
- Added barcode generation and decoding functionality to a library of workflow scripts

DNAstack — **Software Engineer Intern**   Jan 2020—April 2020 , Toronto, Ontario

- Technologies : **Java, Spring Boot, PostgreSQL, Kubernetes, Docker, AWS, GCP, Maven, Git,** HTML/CSS, JS, Jira
- Designed and implemented a telemetry feature in a search engine for genetic data allowing for tracking of metrics, such as query execution time, in Google Cloud
- Added AWS S3 support (publishing/uploading to S3) to a public CLI tool (tables-api-cli)
- Fixed miscellaneous front end, dependency and deployment related problems

Loopio Inc — **QA Automation Engineer**   April—Aug 2019 , Toronto, Ontario

- Technologies : **PHP, Git,** SQL, HTML/CSS, JS, Jira
- Wrote automated test cases using Codeception (PHP) to automate testing different features of the application during each pipeline run, increasing test coverage by 25%
- Made modifications to the views/components of the app to improve test performance
- Worked on an agile team, participating and contributing ideas in Sprint Planning, Stand Up, Retro and any relevant meetings to that sprint (such as feature kickoffs or dev-syncs)

Robotics Design Team — **Programmer**   Sept - Dec 2017 , Waterloo , Ontario

- Technologies : **C++,** Teensy LC and Arduino Microcontrollers
- Collaborated within a team to design and create a line-following robot that plays music
- Learned C++ quickly under time constraints and learned new concepts such as ISRs and interrupts in order to properly design and write code for the robot