

TYLER (TIANJING) LI

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EDUCATION

McGill University, Montreal, QC, *Bsc. in Computer Science*

Fall 2015 - Winter 2019

GPA: 3.52/4, CS GPA: 3.70/4

EXPERIENCE

Nuance Communications, Software Developer Intern: Auto Speech R&D, Montreal, QC

Sept. 2018 - Current

C++, QML, Qt

- Fall 2018 Intern: Currently developing a voice-activated car interface using C++ and QML with the Qt framework
- Implementing the Voice integration APIs to connect user speech to backend functionality
- Building the GUI for user profiles, user preferences, car settings and voice activation

Broadsign, Automation Developer Intern, Montreal, QC

May 2018 - Aug. 2018

Python, Bash, Jenkins, Squish, Behave, OpenCV

- Led development of a computer vision library to execute end-to-end tests for Broadsign digital signage software
- Increased coverage of video playback tests by 40% by tackling major playback issues (tearing, flickering, content detection)
- Debugged and maintained code, documenting bugs and creating user stories on JIRA for visibility and accountability
- Validated branch merges by reviewing code and running branch-specific test executions deployed on a Jenkins server

VIDERI Inc., Software Developer Intern, Montreal, Quebec

May 2017 - Aug. 2017

Python, C++, C#, OpenCV, TensorFlow, Xcode, Unity

- Developed scalable set of Python computer vision tools to perform image processing, using the OpenCV library
- Optimized the CNN model training workflow, leading to a ~1.5x speed improvement for data collection and feeding
- Generated image datasets to refine the CNN used for object detection, achieving a precision of over 96%
- Implemented a mobile application that leveraged AR technology to display canvases on walls, with C# and Unity

RECENT PROJECTS

FoodSmart

Mar. 2018

JavaScript, AngularJS, jQuery, Bootstrap

- BDC Hackathon project: food ordering & delivery service based on genetic data to optimize nutrition
- Using BiogeniQ API, analyzed nutrigenomic data and recommended on-demand food boxes for delivery

EasyEvent

Mar. 2017

Java, PostgreSQL, JDBC

- Ticket sales portal to search for local events of interest and purchasing tickets
- Handles user signups, queries and purchases by interacting with SQL database

AWARDS

2nd place, BDC Hackathon 2018, *Business Development Bank of Canada*

Mar. 2018

Led team as Project Manager to create FoodSmart, a food delivery web application that leveraged genetic data to offer meal recommendations

3rd place, Canada's Next Top Blockchain Exec, *MLG Blockchain*

Mar. 2018

Developed concept for Blockchain-based ridesharing application and re-implemented LND, a credit lending protocol based on Ethereum