

Skills & Interests

- **Experience with:** Java (SDK 6, 7, 8), Python, C++, JavaScript, HTML/CSS, UNIX Shell Scripting, SDLC models (Incremental, Waterfall), TCP/IP, git, SQL, Web APIs, AWS, GCP, Azure
- **Areas of Interest:** Back-end programming, Web APIs, Windows or UNIX based systems, Software Design, 3D Printing, Agile Programming

Experience

- May 2017 - Present - **Research Assistant / Full Stack Developer**, *Ryerson University (Supervisor: Jenn McArthur)*
Python, Django, JavaScript, HTML, CSS, Bootstrap, PostgreSQL, MongoDB, AWS, GCP
- Worked with Revit and Dynamo to create a room data population script with data derived from a large dataset (stored in Excel), part of the Building Information Modeling (BIM) research process
 - Created a web app through Heroku using Django to create dynamic charts based on calculations done with large datasets stored in a PostgreSQL database (formerly with Flask + Mongo)
 - Ported MapleScript code over to Python to help speed up large dataset processing by refactoring large sets of code and implementing multithreading, saved 10+ hours of processing time
 - Created a natural language detection script using a weighted dataset to determine core problem and provide suggestions according to user input (Ryerson Facilities Management)
- May 2016 - Sep 2016 - **Software Developer**, *Joyride*
HTML, CSS, C#, JavaScript, Python, ASP.NET Core, Azure
- Worked as the software developer for the back-end and front-end of a bike analytics platform
 - Made use of various ASP.NET web services (WCF, ASP.NET Core 1.0), REST services w/front-end
 - Also worked with Azure Cloud Services, SQL Databases, with back-end written in C#
 - Connected back-end services to “in-house” device via DB services offered in Azure
- Sep 2015 - Present - **Student Partner**, *Microsoft Student Partner Program*
HTML, CSS, C#, JavaScript, Python, ASP.NET Core, Azure
- Assisted in running Azure beginner workshops as well as a machine learning workshop
 - Working with bleeding-edge Microsoft products (Surface, Azure Bot Service, etc.)
- Jun 2014 - Sep 2014 - **IT Intern / Help Desk**, *Minto Group*
- Carried out various computer repair tasks, Windows / Mac systems, hardware and software
 - Migrated Windows PCs from Windows XP to Windows 7 (Dell KACE re-imaging)
 - Worked with co-workers to help resolve various user issues in a user-friendly manner

Education

- Sep 2013 - April 2018 - **Bachelors of Science (Honours) in Computer Science**, *Ryerson University*
Working towards a Bachelor of Science (Honours) in Computer Science. Focus towards Software Engineering.

Projects

- **Most Valuable DJs Website (HTML5/CSS3):** Worked towards client spec of a responsive entertainment oriented site. <http://mostvaluedj.com>
- **Cashii ATM Project (Java / SparkJava / HTML):** Worked on the back-end of Cashii ATM Project, created a RESTful API that the front-end communicated with. Scored 100% on this project.