

# Noah Lattari

DUAL CITIZEN (CANADA & USA) | COMPUTER SCIENCE & MATHS STUDENT

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## Education

**Ryerson University** | Honours BSc — **Computer Science**

Toronto | Sep 2016 - May 2021

• **Relevant Courses:** Algorithms • Web Application Development • VR Programming • Graphics • Databases • Computer Networks

## Experience

**Tesla** | Software Engineer Intern

Palo Alto, CA | Incoming Sept 2020

• Incoming SWE intern on the product design team (C++, OpenGL).

**Amazon** | Software Development Engineer Intern

Toronto, ON | Feb 2019 - May 2020

- Wrote a **C++ Alexa Skill** that helps thousands of users diagnose internet connectivity issues by parsing external JSON responses.
- Collaborated with multiple teams to take ownership and create a **high-level design** for a newly proposed Alexa feature.
- Created **30+ automated tests** using C++ for other developers to use before they deploy their skills, ensuring code quality.

**Royal Bank of Canada** | Software Developer Intern

Toronto, ON | Sep 2019 - Dec 2019

- Developed software request forms using **Java & XML** to securely handle access requests for hundreds of RBC employees.
- Engineered efficient fixes to bugs in the back-end for external vendors accelerating the development pipeline **by 25%**.
- Refactored existing code-base to more efficiently store confidential employee data in **SQL databases** for other teams to access.

**Q4 Inc.** | Automation Engineer Intern

Toronto, ON | Apr 2018 - Sept 2019

- Located data discrepancies in the back-end SQL database by writing **Python** scripts using **Pandas** data science library ensuring Q4's 100+ clients are receiving accurate data.
- Reduced testing time for engineers by creating an automated test suite in **Java** and **Selenium** resulting in faster code shipment.
- Wrote **100+ unit tests** and documentation in the current code-base for other team members to train new hires with.

**Ryerson Faculty of Engineering** | Teaching Assistant - Intro to Programming

Toronto, ON | Jan 2019 - Apr 2019

- Taught core **C/C++** programming fundamentals such as memory management and data structures to 30+ engineering students.

**Ryerson University (LiTrans.ca)** | Research Assistant

Toronto, ON | May 2018 - Sept 2019

- Supervised by Dr. Farooq to develop a carbon emissions counting app on **iOS** to help better the environment
- Developed an algorithm in **Swift** to detect when a user started their daily commute, increasing prediction accuracy **by 45%**.
- Created **Java** classes to send and receive loosely compressed collected user data to the back-end AWS **DynamoDB**.

## Projects

**Virtual Horde Survival** | Personal Project — **C# • Unity**

[git.io/JfEZb](https://git.io/JfEZb) | 2019

- Virtual Reality combat survival game to test reaction speeds featuring kinematic animation, particles, and an enemy AI.

**HeliumDelerium** | Hack the North — **C# • Unity • Python**

[git.io/JfEZN](https://git.io/JfEZN) | 2019

- Virtual reality social networking tool to help users with Alzheimer's remember their friends names with a fun minigame.

**AutoLingo** | PennApps — **React.js • HTML/CSS • MongoDB**

[git.io/JfEZx](https://git.io/JfEZx) | 2018

- Chrome extension that replaces your new tab with dynamic French or Spanish translations to help you slowly learn a language.

## Extracurriculars

**Ryerson CSCU** | VP of Academics - Hosted CS events and workshops for 200+ students.

Toronto | Sept 2019 - May 2020

**RU Hacks** | Workshop Host - Ran a virtual workshop on resume creation.

Remote | May 2020 - May 2020

**Ryerson CSCU** | 3rd Year Rep - Represented 3rd year CS students during board meetings.

Toronto | Sept 2018 - May 2019

**Ryerson Science Society** | Student Leader - Lead 40+ students around to various workshops.

Toronto | Sept 2017 - Sept 2019

**RU Esports** | Collegiate Player - Played competitive League of Legends for Ryerson's team.

Toronto | Sept 2016 - Sept 2017

## Skills

**Programming**

Java, C++, VR Development (C#), HTML/CSS, Swift, SQL, Python

**Tools & Frameworks**

Git, Unity, OpenGL, Pandas, Selenium, Postman, Node.js, AWS, Jira, Linux

**Spoken Languages**

English, French (Extended French Grades 4-12)