

# Jeffrey Liu

2B | Computer Science and Business Administration Double Degree

✉ jeffrey.liu@uwaterloo.ca 🌐 liu-jeffrey.github.io/personal-site ☎ (647) 526-9998 in liu-jeffrey 📄 liu-jeffrey

## Skills

### Proficient

**Languages:** C++, C, Bash, HTML, CSS, Scheme, Python

### Experienced

**Languages:** MySQL, VBA, JavaScript

### Technologies /

**Frameworks:** Git, Yarn, Linux, Photoshop CC, SAP S/4HANA - MM/PP, TensorFlow, Caffe2, Vue.js

## Awards

### Faith Leadership Award YCDSB

Graduating student who demonstrated critical thinking and social responsibility.

**President's Scholarship**  
*University of Waterloo*  
90%+ admission average.

**New Venture Semi-Finalist**  
*Wilfrid Laurier University*  
Top 40 business model out of 1300+ students.

**RBC Stock Market Competition**  
*Wilfrid Laurier University*  
Stock portfolio with top 30 returns out of 300+ participants.

## Education

### University of Waterloo and Wilfrid Laurier University

Aug. 2022

Candidate for Bachelor of Computer Science (BCS) and Bachelor of Business Administration (BBA)

## Experience

### Qualcomm

Jan. 2019 - Apr. 2019

#### Software Engineering Intern, AI - Machine Learning

- Built a tool from the ground up to automate the process of slicing a Caffe2 or Tensorflow neural network model to understand differences in output between two different engines, allowing developers to easily isolate problematic layers/ops
- Improved developer efficiency and client turnaround times by an estimated 500% through the tool, which successfully isolated accuracy differences in a network output to a layer
- Assisted in training 20+ Tensorflow neural network models and prepared thorough developer documentation for other developers to learn the process

### Enactus Waterloo

Nov. 2018 - Dec. 2018

#### Web Developer - Engineering Team Lead

- Led the development of a new responsive website from scratch for the club using Vue.js
- Lead an engineering team in designing a web application which proposes investment options based off of your financial position and comfort

### FGF Brands

May 2018 - Aug. 2018

#### Content Data Management Specialist

- Created and maintained SharePoint team sites using HTML/CSS and Bootstrap which improved team synergy and organization
- Improved company ETLs by implementing SQL queries and Excel VBA macros which optimized the process efficiency by 300%
- Developed training documents and videos that were used company-wide to improve employee proficiency with SAP S/4HANA

## Projects

### Biquadris (CS246)

Dec. 2018

- Created a multiplayer variation of the Tetris game using C++
- Designed using Object Oriented design pattern principles

### Hwat-Todo

Sept. 2018

- Implemented a web-app to-do list using Javascript with Vue.js
- Used JavaScript to store tasks as persistent data inputted by the local user

### Hashpuppy

July 2018

- Created python function which uses SHA-3, BLAKE2, and Argon2 cryptographic hash functions to hash passwords