Jeffrey Liu

Computer Science & Business Administration Double Degree

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Experience

Software Engineering Intern, AI - Machine Learning
Qualcomm Inc. // Jan 2019 - Apr 2019

- Designed and developed a tool from the ground up in Python to automate the process of slicing a Caffe2 or Tensorflow neural network model to understand differences in output between two different devices
- Improved developer efficiency and client turnaround times by an estimated 500% through the tool, which successfully locates differences in network operators in a matter of hours

Web Developer
Enactus Waterloo // Nov 2018 - Dec 2018

- Coordinated with Marketing team to develop a new website for the club using Vue.js
- Built the sponsorship page which enables Enactus Waterloo to receive over $1000 in funding annually

Content Data Management Specialist
FGF Brands // May 2018 - Aug 2018

- Created and maintained SharePoint team sites using HTML/CSS and Bootstrap which were used as temporary data storage locations for over thousands of data entries
- Improved company ETLs by implementing SQL queries and Excel VBA macros which optimized the process efficiency by 300%
- Developed training documents and videos that are used company-wide to improve employee proficiency with SAP S/4HANA

Projects

Personal Website (WIP)
Vue.js, HTML, CSS, Javascript // 2019

- Website built using Vue.js to persent personal projects and experiences
- Utilized Node.js library and CSS to build interactive animations

Biquadris
C++ // 2019

- 2 - player variation of Tetris built using the C++ object oriented paradigm
- Incorporated multiple design patterns including the factory method, template method, and the decorator design pattern

Hwat-Todo
Vue.js, HTML, CSS, Javascript // 2018

- To-do list built with Vue.js in which users can easily add and remove tasks
- Tasks are stored using Javascript in the current web browser

Technicals

Languages
Python, C++, C, HTML, CSS, Bash Javascript, SQL, VBA

Frameworks
Caffe2, TensorFlow, Vue.js

Technologies
Git, JIRA, Confluence, SharePoint, SAP S/4 Hana, VSCode, Photoshop, Indesign, Figma, Linux

Achievements

New Venture Semi-Finalist
Wilfrid Laurier University // 2018
Successfully created a business model which placed top 40 out of 1300+ students.

RBC Stock Market Competition
Wilfrid Laurier University // 2018
Achieved top 30 stock portfolio returns out of 300+ participants.

Faith Leadership Award
YCDSB // 2017
Rewarded to graduating high school student who demonstrated critical thinking and social responsibility.

Education

Bachelor of Computer Science
University of Waterloo // 2022
Bachelor of Business Administration
University of Wilfrid Laurier // 2022

Hobbies

Competing in ultimate frisbee intramurals

Exploring new bubble tea flavours with peers

Weight training to stay fit after drinking too much bubble tea

Climbing the ladder in Starcraft 2 and Overwatch