

Jaden Wang

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EDUCATION

University of Toronto Scarborough - *Honors Bachelor of Science*
(Software Engineering Specialist & Statistics Major)

cGPA: 3.46/4.0 | September 2017 - September 2021

EXPERIENCE

University of Toronto Scarborough, ON - *Teaching Assistant*

September 2018 - December 2018

- Led labs that taught computer science fundamentals and Python to over 700 students in an introductory computer science course (CSCA08)

Codefusion Communications Inc, ON - *Computer Technician*

March 2016 - June 2016

- Saved 2+ hours of time per day by implementing automatic solutions to tasks, such as managing internal servers and workstations, via Powershell and Bash scripting
- Assisted company clients with troubleshooting technical problems involving servers and workstations

PROJECTS

Carnet2 - github.com/jadenyjw/carnet2-arduino

- Used Arduino and Keras to create a self-driving neural network trainable car that can maneuver through a laid out path
- Designed and trained a convolutional neural network with 70% accuracy on data self-collected through a driver program programmed in Python

DrawPVP - github.com/jadenyjw/drawpvp

- Used JavaFX and DeepLearning4J to create a multiplayer game where players doodle against each other to have their drawings judged by a neural network with 85% test data accuracy
- Implemented transmission between multiple clients and a server via socket library Kryonet

Tanks - github.com/jadenyjw/tanks-backend

- Used Node.js to design a real-time multiplayer game server for a tank game accessible at <https://tanks.ml>, utilizing websockets for real-time communication
- Developed a frontend in React, using pixi.js for graphic animations

LANGUAGES & TECHNOLOGIES

Java | Python | C | Javascript | Linux | Git