Jaden Wang

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EDUCATION

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

cGPA: 3.46/4.0 | September 2017 - September 2021

Relevant Coursework: Software Design, Software Tools and Systems Programming, Introduction to Statistics

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 (Introduction to Computer Science I)

Codefusion Communications Inc, ON - *Computer Analyst*

March 2016 - June 2016

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

PROJECTS

Carnet2 - *github.com/jadenyjw/carnet2-arduino*

- Engineered 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 self-collected data.
- **Technologies Used:** *Software:* Python, Keras, OpenCV | *Hardware:* Arduino

DrawPVP - *github.com/jadenyjw/drawpvp*

- Created 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
- **Technologies Used:** JavaFX, DeepLearning4J, Kryonet

Tanks - *github.com/jadenyjw/tanks-backend*

- Implemented a real-time multiplayer game server for a tank game accessible at https://tanks.ml, utilizing websockets for peer communication
- **Technologies Used:** *Backend:* Node.js | *Frontend:* React.js, Pixi.js | *Systems:* Nginx

LANGUAGES & TECHNOLOGIES

Java | **Python** | **C** | **Javascript** | **Linux** | **Git** | **Svn**