

+ PROJECTS

ReadR – Python, TensorFlow :Oct 2017 to Current

- Programmed and implemented a neural network (using TensorFlow) to recognize handwritten digits and characters from pictures.
- Working on equation recognition from pictures of graphs.
- In process of building interface for users to upload or take a photo for evaluation.

Virtual Fighterz – Processing, Java :Jun 2017 to Jun 2017

- Created a virtual fighting game where the camera picks up the player's joints via image processing and tracks them.
- Implemented a two player fighting mode connected via network.

Autonomous Vehicle – Arduino, C++ :Dec 2015 to Jan 2016

- Assembled and programmed autonomous robotic car that can maneuver many different obstacle courses
- Wrote simple object detection and avoidance algorithm with over 95% accuracy

More projects can be found at ZiGao.io and on my [GitHub](https://github.com)

+ EMPLOYMENT

Freelance

Full-Stack Web Developer
Jun 2017 to Current

Ottawa ON

- Designed UI and UX, created mockups, wireframes and control flow charts
- Programmed the front end of many websites using HTML, CSS, jQuery and React
- Developed server-side infrastructure and queried data requests using PHP and Express
- Configured online server hosting services and bought domain names
- Implemented good programming practices and Agile Methodologies

Tim Hortons

Supervisor/Employee Trainer
Aug 2015 to Mar 2017

Ottawa ON

- Developed leadership and communication skills while training new employees, supervising them during shifts, and conducting monthly performance evaluations
- Established strong time management skills by organizing and prioritizing tasks in a fast paced environment
- Demonstrated consistent positive attitude and great work ethic by always providing top quality customer service with a smile

+ VOLUNTEERING

Canadian Cancer Society ·

Event Organizer and Public Speaker

Apr 2016 to Jun 2017

- Demonstrated exceptional speaking skills in front of large audiences by performing a presentation for an audience of over 1000 people
- Learned to cope with high stress situations while managing financial budgets and coordinating performances and activities for an all day event involving several hundreds of community members

+ SUMMARY

Extremely passionate about technology, entrepreneurship, and creating software solutions for real world problems.

+ SKILLS

WEB DEVELOPMENT:	APP DEVELOPMENT:	ADDITIONAL SKILLS:
HTML	Java	Git VC
CSS	Android Studio	Arduino
jQuery	Python	Strong Leadership, Teamwork and Communication Skills
React.JS	TensorFlow	
PHP	React Native	
MySQL	Processing	

+ AWARDS

The Governor General of Canada ·
Governor General's Academic Medalist 2017
97 Average Gr.11, 98 Average Gr. 12

University of Waterloo ·
Canadian Computing Competition Certificate of Distinction 2017

Schulich Foundation ·
Schulich Leader Nominee 2017

+ EDUCATION

University of Ottawa
Bachelor of Software Engineering
Expected 2022

Coursera – Stanford University
Specialization in Data Structures and Algorithms

Coursera – University of Michigan
Specialization in Backend Web Development