Zi Gao

Software Developer

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✚ PROJECTS

ReadR – Python, TensorFlow : Oct 2017 to Current
Programmed and implemented a neural network (using TensorFlow) to recognize handwritten digits and characters from pictures. Also working on equation recognition from pictures of graphs. In process of building interface for users to upload or take a photo for evaluation.

ZYM-Strap – HTML/CSS, JavaScript, jQuery : Nov 2017 to Current
Coded many features for a lighter-weight bootstrap for website and web app development.

Virtual Fighterz – Processing, Java : Jun 2016 to Jun 2016
Created a virtual fighting game where the camera picks up the player's joints and tracks them, with a two player fighting mode connected via network.

Claw Machine – Arduino, C++ : Dec 2016 to Jan 2017
Constructed and programmed a wirelessly controlled robotic claw (using RF communication and Wii Nunchuk) mounted on a controllable vehicle

Time Dash – Java, Android Studio : Jun 2016 to Dec 2016
Led a production team in designing, programming and releasing an adventure platformer game for the Google Play Store

Autonomous Vehicle – Arduino, C++ : Dec 2015 to Jan 2016
Assembled and programmed autonomous robotic car that can maneuver many different obstacle courses

✚ EMPLOYMENT

Freelance   Ottawa ON
Full-Stack Web Developer
Jun 2017 to Current
- Designed UI and UX, created mockups, wireframes and control flow charts
- Programmed the front end of many websites using HTML, CSS, Javascript and jQuery
- Developed server-side infrastructure and queried data requests
- Configured online server hosting services and bought domain names
- Implemented good programming practices and Agile Methodologies

Tim Hortons   Ottawa ON
Supervisor/Employee Trainer
Aug 2015 to Mar 2017
- 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

YMCA · Youth Activities Instructor   Mar 2015 to May 2017
- Practiced great leadership and organizational skills by ensuring a safe and fun environment for the youth to play and maintaining control of the situation at all times
- Displayed superior communication and teamwork skills while educating children and coordinating with other sports instructors

✚ SUMMARY

Extremely passionate about technology, entrepreneurship, and creating software solutions for real world problems. I love to explore unique ideas. By constantly learning new technologies and creating websites and mobile apps, I aim to improve the lives of people around the world. I also have a keen interest in UI and UX design, and am always excited to build elegant and engaging products. I am a quick learner, and have experience working in fast paced, high pressure environments. Highly commended by team members, teachers and fellow students for superior leadership and teamwork skills.

If you want to discuss a business, startup, or side project idea, or if you have any inquiries about my qualifications and past work, feel free to connect with me! I am always willing to meet over a cup of coffee! Currently Looking For: Internship CO-OP Placement for Summer 2018

✚ SKILLS

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

✚ 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