

YAN KE

Summary of Qualifications

- Strong communication skills from exposure to public speaking, able to express ideas to people of all technical levels
- Able to quickly learn and apply new concepts, including languages to meet project needs
- Exceptional teamwork skills demonstrated when placed in various group settings
- Three years of self-taught programming experience, developed in C++, Python, Flask, and AngularJS
- Experiences with AutoCad, Solidworks, Arduino IDE, Wordpress, LaTeX and Android Studio
- Fluent in Mandarin and carries an Ontario G Driver's License

Education

HONORS MECHATRONICS ENGINEERING, CO-OP – University of Waterloo – Waterloo, Ontario 2016 – Present

- Candidate for Bachelor of Applied Science (Honors BASC), expected to graduate in 2021
- Recipient of University of Waterloo President's Scholarship of Distinction (95%+ admissions average)
- Recipient of University of Waterloo Engineering Entrance Scholarship (exceptional extracurricular)

TALENTED OFFERING FOR PROGRAMS IN THE SCIENCES (TOPS) – Marc Garneau C.I. – Toronto, Ontario 2012 – 2016

Projects

SYNCIN Sep 2016 – June 2016

- Designed for Hack the North 2016, to make interactions between employer and candidates in job fairs more efficient
- iOS grabs closest employer info using iBeacon, sends candidate info to web app, storing info in Firebase
- Designed the web app UX and the database structure, collaborated to create front-end using AngularJS
- Created business plan and sales pitch to present to judges

APPC WIND TUNNEL Dec 2015 – Feb 2016

- Culminating project for AP Physics C
- Designed and constructed an Arduino based wind tunnel capable of detecting aero-dynamical forces on various airfoils
- Designed wind tunnel frame and connected sensors to a MatLab interface

Experiences

DIRECTOR OF WEB OPERATIONS – TOPS Program – Toronto, Ontario Sep 2012 – June 2016

- Worked from position of Junior Web Developer to Director of Web Operations in four years
- Led technical aspects of program events including TOPS Registration, TOPS Information Night, and TOPS Exam
- Mentor and delegate a team of junior web developers
- Worked closely with school administration to maintain the TOPS program website

REAL ESTATE AGENT ASSISTANT – AimHome Realty Inc. Brokerage – Toronto, Ontario July 2015 – Sep 2016

- Worked two summer terms assisting in day-to-day operations of a real estate agent
- Communicate with clients to finalize paperwork and act as a liaison to the agent
- Research property information for agent upon request
- Updates website with current and archived listings

Interests

- Enjoys badminton, volleyball, judo and weightlifting
- Amateur photographer and cooking enthusiast