

DEREK HANGTIAN ZHAN

Address: 2107- 123 Charlton Ave E, Hamilton, Ontario L8N 3W3

Phone: +1-647-771-2012 zhanhangsky@gmail.com Website: derekzhan.me

Github: github.com/derek-zhan LinkedIn: linkedin.com/in/derekzhan

EDUCATION

Bachelor of Engineering: Software, Embedded System Design - (Class of 2015)

Bachelor of Arts: Economics - (Class of 2016)

McMaster University, Hamilton, Ontario

RELEVANT PROJECTS

Capstone Project

- Hybrid Vehicle Power Train System Optimization for McMaster EcoCAR3 Team
- Participate in software document writing, Matlab implementation and optimization algorithm

Design Project

- Conducted and participated in a group project with McMaster Engineering to develop and upgrade wireless network solution for campus

Java Battleship Project

- Built a Battleship game running with 4 students under test-driven development

Android Mobile Database Project

- In a team of 5, developed an Android mobile application for a medical information system
- In charge of encryption description algorithm and UI design

Altera Quartus Project

- Participated and constructed a tic-tac-toe game running on embedded DE2 FPGA Board and implemented with VGA, PS/2 keyboard in Verilog language

SKILLS

- Experienced using HTML, Wordpress, PHP, NI Labview, Adobe Photoshop
- Ability to use Matlab, Android, C, Linux and MIPS Assembly, Eclipse IDE, SQL Database
- Proficient with Java, Python, Objected Oriented Programming and Development, UI Design

Language

- Fluent in Chinese in verbal and written (Cantonese and Mandarin)

EXPERIENCE

Intern Front Desk, Twinsun Automation Instruments Co., Ltd; Shenzhen City, Guangdong Province 2008-2009

- Learning basic use of Adobe Photoshop for company website design
- Assisted with sales administration in documentation and presentation
- Maintain server and management on security aspect

EXTRACURRICULAR ACTIVITIES

- Volunteer for Toronto Pam Am Games - Hamilton Kick It Up Event 2015
- Joined McMaster Programming Challenge - 4th Place 2015
- Joined RBC Next Great Innovator Challenge 2014 - Prototyping Event 2014
- Student Member, McMaster Engineering Society 2011 - 2015
- Student Volunteer, Queer Student Community Centre 2011 - 2012