Tianyi Zhang

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Education

McMaster University, Hamilton, Ontario, Canada. Sep 2017 – Present
Computer Science, Coop, Bachelor of Applied Science - BASc, Faculty of Engineering
St.Robert CHS, Markham, Ontario, Canada. Sep 2015 – July 2017
Ontario Secondary School Diploma

Skills

Mobile Development: Swift, XCode
Web Development: HTML, CSS, Javascript, Bootstrap, JQuery, Node.js, RESTful API, Flask, Express.js
Programming languages: Python, Java
Database: MongoDB, SQL
Functional programming: Haskell
Others: Git, Linux, Machine learning, LaTeX, Agile and test-driven development, Computer-aided design
Languages: English, Mandarin

Projects

Talky, nwHacks, Vancouver, Jan 2018
Won the first place out of 112 teams in popular vote & Best use of Microsoft Technology Award & The Wolfram Award
A personalized public speaking coach built on IOS that analyzes and gives feedback on speeches for the masses. It helps people to become better public speakers. Full introduction and source code available at https://devpost.com/software/talky
RedReach, Hamilton, Nov 2017
An innovative employment searching and job-posting platform, specializing in youth employment in GTA Area.
Currently in development. Landing Page at http://www.redrea.ch/
Microcosm , Hamilton, July 2017
Project in Hack.init(). It is the prototype for an interactive encyclopedia of plants based on mixed reality /hololens implemented by Unity HoloToolkit Api
Full introduction and source code available athttps://www.hackx.org/projects/121

Major Experience & Activities

Hacker, nwHacks, Vancouver, Jan 2018
Selected as one out of 2000 applicants to attend Western Canada's Largest Hackathon where our team won the best use of Microsoft Technology and popular vote first prize.

IOS/Backend Developer, RedReach, Hamilton, Nov 2017 – present
Work as IOS and backend developer for the startup company at Forge. My responsibilities include implementations of core functionalities, API Integration, and app analysis

Co-member, The forge startup incubator, Hamilton, Nov 2017 – present

The forge is Hamilton's startup incubator and McMaster University's on-campus entrepreneurship initiative. Our startup business, RedReach, is a client at the Forge. RedReach has received helpful mentorship, guidance and resources such as office space during the growth stage.

Hacker, Hack.init(), Shanghai, August 2017

Selected among a thousand applicants around the world to attend China's premier youth hackathon. As a rare hackathon open to high schoolers, Hack.init() brings together brightest minds across the country to Shanghai for a 24-hour, nonstop feast of creativity, collaboration, and rapid learning.

Organizer, Hour of Code initiative, Thornhill, November 2015

As a member of the coding club, I helped to hold the annual hour of code initiative to promote computer science education throughout the school community.

Recent Honors & Awards

Best use of Microsoft Technology Award & Popular Vote First Place /114 teams, nwHacks, Jan 2018

McMaster Honor Award Scholarship, McMaster University, Sep 2017

Ontario Scholar, Minister of Education Ontario, July 2017

Certificate of Distinction, Canadian Computing Competition Senior Division , University of Waterloo, May 2017

Certificate of Distinction, Euclid Math Contest, University of Waterloo, May 2016 & May 2017

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