Tianyi Zhang

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Education

McMaster University, Hamilton, Ontario, Canada.

Computer Science, Coop, Bachelor of Applied Science - BASc, Faculty of Engineering

- Expected Graduation April 2021
- **Relevant Courses:**
    - Haskell Functional Programming
    - OOP with Python
    - Data Structure and Algorithms
    - Bash Scripting
    - Client-side web development
    - CAD Engineering Graphics

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, Inventor
Languages	English, Mandarin

Major Experience & Activities

Hacker,

nwHacks, Vancouver, Jan 2018

- Admitted as one of the **400** participants out of **2000** applicants to attend Western Canada's biggest Hackathon
- Developed strong **teamwork** and **problem-solving** skills while working alongside team members
- Wrote Python scripts to analyse audio files and develop IOS application for our project Talky. See Devpost Page
- Our project Won popular vote **1st prize out of 114** teams
- **Microsoft Prize** - Best use of Microsoft Technology

IOS/Backend Developer,

RedReach, Hamilton, Nov 2017

- Implement core functionalities, integrate API, analyse APP for our startup project at the Forge Hamilton
- Work during the semester, which developed **time management skills**

- Developed exceptional **communication** and **analytical skills** while conducting interviews with small business owners and employers and doing business analysis.

Member,Innovator

The Forge(Innovation Factory), McMaster innovation Park, Hamilton, Nov 2017

- One of the **youngest** member at the Forge
- Our startup company is granted with office space and received guidance and mentorship
- Attend regular meetings and entrepreneurship trainings

Hacker

Hack.init(),Shanghai, June, 2017

- Admitted as as one of the **300** participants out of **1000** applicants to attend Chinas premier youth hackathon
- Built Microcosm, an interactive encyclopedia of plants based on **mixed reality** (hololens) implemented by Unity HoloToolkit Api

Organizer

St.Robert Catholic High School, Markham, November 2016

- 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
- Improved **organizational skills** by planning and facilitating the events during the period

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Recent Awards and Certificates

Honor Award Scholarship	McMaster University, Sep 2017
Ontario Scholar	Minister of Education Ontario, July 2017
Certificate of Distinction	Euclid Math Contest University of Waterloo, May 2017
Certificate of Distinction	Canadian Computing Competition Senior Division, University of Waterloo, May 2016 & May 2017

Last edited in January, 2018