Tianyi Zhang

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Education

Computer Science Co-op, Bachelor of Applied Science
McMaster University, Hamilton, Ontario, Canada.
Expected year of graduation : 2021

Skills

Web Development	Flask, Node.js , HTML, CSS, Javascript, Bootstrap, Angular, React, Rest API
Programming languages	Python, Java, Bash
Databases	MySQL, MongoDB
Functional programming	Haskell
Others	Git, Linux, Machine learning, Agile Development
Languages	English, Mandarin

Working Experience

Web Developer   May 2018 - Present
Royal Bank of Canada, Toronto

- Worked in **agile** environment to deliver an innovative solution to business clients.
- Integrated internal and external **data** and developed **APIs**
- Designed and implemented scalable mySQL **database model** and Flask **backend architecture**
- Developed **functional responsive prototypes** based on business requirement.
- Present technical topics to project manager and manage **low-level planning** of work

Application Developer   Nov 2017 - May 2018
RedReach, Hamilton

- Built **prototype** and designed **user flow** for our startup project that focused on local youth employment.
- Developed exceptional **communication** and **analytical skills** while conducting user feedback interviews and doing **business analysis**.
- Work during the semester, which developed **time management skills**

Major Activities

nwHacks,   Jan 2018
University of British Columbia, Vancouver

- Admitted as one of the **400** participants out of **2000** applicants to attend Western Canada's biggest Hackathon

- Wrote Python scripts to analyze audio files and develop IOS application for our project Talky. (See Devpost Page)
- Developed strong **teamwork** and **problem-solving** skills while working alongside team members
- Our project Won popular vote **1st prize out of 114** teams
- **Microsoft Prize** - Best use of Microsoft Technology

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

- Member of Hamilton's **startup incubator** and McMaster's entrepreneurship initiative
- Our **startup** company is granted with office space and received guidance and mentorship
- Actively attend innovation programs and entrepreneurship training

Hack.init()   June 2017
Shanghai, China

- Admitted as one of the **300** participants out of **1000** applicants to attend China's premier youth hackathon
- Built Microcosm, an interactive learning tool based on **mixed reality** implemented by Unity and HoloToolkit Api

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, May 2017
Certificate of Distinction	Canadian Computing Competition Senior Division, University of Waterloo, May 2016 & May 2017