

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, Typescript, Angular, Rest API, Bootstrap, Material design

Programming languages

Python, Java, Bash

Databases

MySQL, MongoDB

Functional programming

Haskell

Others

Git, Linux, Machine learning, Agile Development

Languages

English, Mandarin

Working Experience

Full Stack Developer

May 2018 - Present

Royal Bank of Canada, Toronto

- Worked in an **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 front end page** with angular and integrated with microservices
- 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**
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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 2016 & May 2017

Certificate of Distinction

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