ZACKARY REN

647-978-0682

renzackary@gmail.com

www.linkedin.com/in/zack-ren

STUDENT

OBJECTIVE

To apply my skills and contribute to a project as a summer intern student

SKILLS

PYTHON	OPENCV
C	TENSORFLOW
HTML/CSS/JS	AZURE
LINUX/UNIX	JAVA

VOLUNTEERING

Feb. 2019 – Nov. 2019

Sponsorship Chair of MEC
McMaster Engineering Competition
Hamilton, Ontario

- Organized 2-day engineering competition spanning multiple engineering disciplines

AWARDS

Dec. 2019

Agorize: AI for Societal Impact Challenge
Made first cut-off: Top 26 of 147 teams

Sept. 2018

President's Award
McMaster University, Hamilton, Ontario

EXPERIENCE

Sept. 2019 – Present

Teaching Assistant – Department of Physics and Astronomy
McMaster University, Hamilton, Ontario

- Collaborated with students and professors to reinforce physics concepts
- Led group-based learning discussions in tutorial and laboratories to compliment lecture material

July 2018 – Jan. 2019

Pharmacist Assistant – Progress Center Medical
Scarborough, Ontario

- Quickly and accurately packaged patients' prescriptions under pressure
- Effectively communicated with patients to maintain consistent workflow
- Took initiative to maintain an organized work environment by managing daily orders and inventory

PROJECTS

Nov. 2019 – Present

'Veritech' – Article Bias Detection with AI
Agorize: AI for Societal Impact Challenge

- Bias analysis with Microsoft Azure's NLP
- Scrape web articles with Python's Beautiful Soup

Aug. 2019 – Present

'PillPal' – Medication Tracker with Deep Learning
Personal Project

- Isolates and stiches medication label with OpenCV
- Analyzes label with a Deep Learning OCR created using TensorFlow

Mar. 2019 – Apr. 2019

'Mary-Pop-Opens' – Automated Umbrella Holder for Quadriplegic Client
McMaster University, Hamilton, Ontario

- Modelled the chassis of an umbrella holder using Autodesk Inventor
- Utilized a Raspberry Pi to control two servo motors which automate the opening and closing of the umbrella

Jan. 2019 – Feb. 2019

'Eyeconic' – Obstacle Detection Glasses for the Visually Impaired
McMaster University, Hamilton, Ontario

- Coordinated two sets of ultrasonic sensors and a Raspberry Pi for object proximity and altitude change detection

EDUCATION

Sept. 2018 – Present

Software and Biomedical Engineering
McMaster University, Hamilton, Ontario

- Developed many Biomedical related Health Solutions focused on computing and computer-aided design

GPA: **3.8**/4.0

Expected Graduation: May 2022

Sept. 2014 – June 2018

Bayview Secondary School, Richmond Hill, Ontario
OSSD, with Honours