(773) 280-1417 **1516 Gilbert Ct.**

Jimmy Ruan

jiruan@umich.edu **Ann Arbor, MI 48105**
linkedin.com/in/jia-hao-ruan **gitlab.com/QWSR**

Professional Summary

Software Engineer graduating in Fall 2019 with a B.S. in Computer Science. Has 2-4 years of experience writing code in Python, C++, and C. Has 1 year experience developing websites with HTML, CSS, Javascript, and Django. Has research experience working for the University of Michigan's School of Information.

Skill

Programming Languages: Python, C++, C, HTML, CSS, Javascript
Framework/Library: Django, Flask, ReactJS
Products: Microsoft Word, Microsoft Excel, Microsoft Windows, Linux, Amazon Web Service
Version Control: Git

Education

University of Michigan at Ann Arbor
Bachelors Degree of Engineering in Computer Science Expected Dec 2019

Professional Experience

Summer 2019 **Research Assistant – University of Michigan School of Information**
- Developed software that converts user designs into models for 3D printing using Python
- Worked on applying said software into Django backend of the user design website
- Tutored students and teachers how to use the website design software

Summer 2017 **Deli Clerk – Kroger**
- Collaborated with coworkers to prepare lunch meat for customers
- Organized and stocked merchandise
- Coached new coworkers on various tasks around the department

Project Experience

Fall 2019 **Instagram Clone**
- Built a website that looks like Instagram using Flask and ReactJS
- Deployed said site on Amazon Web Service

Winter 2019 **Custom Web Search Engine**
- Programmed useful components for the HTML parser of a search engine using C++
- Developed the link extractor portion and HTTP link components of the HTML crawler for the search engine using C++

Winter 2018 **Proprietary System Emulator**
- Implemented an assembler which assembled proprietary assembly language into machine code in C
- Designed an emulator with host peripherals in C
- Added CPU cache emulation functionality to the emulator

Dec 2017 **Project Run-time Analysis**
- Developed a Python script to run programs on determined inputs
- Saved run-time results in a .csv file