

YUQING LIN

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EDUCATION

Binghamton University, SUNY, Watson School of Engineering and Applied Science

Expected December 2020

Bachelor of Science in Computer Science

Cumulative GPA: 3.65/4.00

LaGuardia Community College, City University of New York

June 2018

Associate of Science in Computer Science

Cumulative GPA: 3.81/4.00

SKILLS

Language: C/C++, CSS3 HTML5, Java, MySQL, Python, PHP, X-86 Assembly

Software and OS: Android Studio, Adobe XD, Django, Eclipse, GitHub, Visual Studio, VIM, MacOS, Linux

Additional: Digital Circuit Design, USRP, XML

PROJECT EXPERIENCE

Django Web Application

Binghamton University

Online Education Platform

February 2020 – Present

- Developing a Python based online education platform using Django framework and PyCharm
- Implementing Xadmin as an alternative to Django default admin and featuring authentication login system by SMS
- Integrating backend applications to support frontend interface and using MySQL and Navigate for data management

Watson Capstone Project

Binghamton University

Tennis Ball Detection Algorithms - Developer

September 2019 - Present

- Developing a robust but efficient algorithm based on Chroma Key with OpenCV to identify tennis balls in the field of view of a rover's camera with limited CPU and memory resources
- Performing analytical and programming skills in implementing and comparing variety of circle finding algorithms

Android Game Development

Binghamton University

Apple Go

June 2019 – Present

- Designed and developed a JAVA based side-scrolling style mobile game on Android Studio with multiple activities
- Designed in-game UI on Adobe XD and implemented based on Bitmap drawing library and XML formatting
- Performed a PHP script, MySQL database and Share Preference to store and retrieve players' information

EY Tech Competition

Binghamton University

Future of Fasten – Team Member for Analyze Data

September 2018 - October 2018

- Researched rideshare marketing and recommended to Fasten, worked closely with four other Business Administration students; gathered, analyzed and provided data of online advertising cost to support their marketing strategies
- Studied analytical skill SWOT for case analyze, improved problem identification and solving skills, gained experience in a cross-functional project

CUNY Undergraduate Research Project

LaGuardia Community College

Directional Signal Transmission in Wireless Communications - Team Leader

June 2017 - July 2018

- Researched wireless communication and signal direction finding based on method of Angle of Arrival with Universal Software Radio Peripheral and implemented on GNU Radio
- Studied advance software defined radio technology, basic wireless communication theories and real-world implementations on Python and Linux operating system
- Managed a team of four others in brainstorming, scheduling, calculated complex mathematical equations, models and task delegation to present at CUNY wide symposium for faculty, students, and public

C++ Programming Project

LaGuardia Community College

Object Tracking

May 2017 - July 2017

- Implemented C++, Microsoft visual studio to access OpenCV and implemented object tracking algorithm in real time
- Presented at school symposium and lectures, inspired students' interests in computer science field

OTHER EXPERIENCE

Binghamton University, State University of New York

Vestal, NY

Telecommunications Student Assistant

May 2019 - August 2019

- Installed, programed, and troubleshooted phones, mailboxes and various types of cable including UTP(Cat5e/6), coax
- Operated testing equipment to troubleshoot and certify cables on campus

LaGuardia Community College

New York City, NY

Student Technology Mentor

February 2017 - March 2018

- Planned closely with LaGuardia faculty to design, create, utilize and maintain technology-enriched teaching
- Taught as teaching assistants with supplementing work of faculty and assisting students use digital resources