

Qinyu Xie

Address: 505 Walnut Ave, Apt #435; Syracuse, NY, 13210
Linkedin: www.linkedin.com/in/qinyu-xie

Phone: +1 (951) 237-7421
Email: Qinyu.syr@gmail.com

EDUCATION

Syracuse University 08/2018 - Expected 05/2020
Master Of Science (Computer Engineering) Syracuse, NY
Relevant Courses: Object Oriented Design, Advanced Data Structure and Algorithm, Internet Programming

University of California, Riverside 08/2017 - 06/2018
Transfer Student (Electrical Engineering) Riverside, CA
Relevant Courses: Computer Vision, Data Mining, Convex Optimization, Senior Project

Donghua University 09/2014 - 06/2018
Bachelor of Engineering (Automation) Shanghai, China
Relevant Courses: Calculus, Engineering Mathematics, Database System, Web Technology

WORK EXPERIENCE

COWA Robot Inc. 05/2018 - 08/2018
Intern, Software Engineer, Supervised by CTO Wenlong Liao Shanghai, China

- Implemented computer vision algorithms YOLOv2 on Nvidia TX2 platform and optimized the performance by 30%, as measured by system latency, using TensorRT framework and C++
- Generated test report for performance of multiple algorithms on Nvidia TX2 platform.
- Developed a driver toolkit to drive onboard camera of TX2 using Gstreamer tool and C++.

PROJECT

Web eBook Reader 01/2019 - 05/2019
Personal Project, Internet Programming, Supervised by Professor Jim Fawcett Syracuse, NY

- Designed and developed a website with ability to select and view both publicly available documents, and, with authentication, private documents (Based on C# and Asp.Net).
- Developed functionality that allow user to comment and markup on documents for review.
- Developed functionality that allow user to upload, replace, and delete any of the stored documents.

Multi-User Test Harness 08/2018 - 12/2018
Personal Project, Object Oriented Design, Supervised by Professor Jim Fawcett Syracuse, NY

- Developed a Multi-User Test Harness used for Software Testing (Unit Test) based on Object Oriented Design Principle, using C++.
- Implemented a Process Pool which could create several child processes running the Test Harness, and that allowed the program run concurrently and could be used by different clients concurrently.
- Implemented test library as a Dynamic Link Library that allows test library to be extendable and reusable

Autonomous Navigation of Mobile Robot Based on Monocular Vision 08/2017 - 06/2018
Group Leader, Senior Design Project, Supervised by Professor Roman Chomko Riverside, CA

- Designed and implemented core functionality framework based on Robot Operating System, using C++.
- Developed mapping package for providing 3D environment information and reconstructing the 3D map with camera.
- Made the solution, project schedule and cooperated with team members to ensure schedule.

AWARDS & SCHOLARSHIP

- Meritorious Winner, Mathematical Contest in Modeling (the U.S) 01/2017

ADDITIONAL INFORMATION

Programming Skill: JAVA, SQL, Python, JavaScript, C++, C, C#