

JING WEI LI



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github.com/ljw980105/

OBJECTIVE

To obtain a summer internship or an undergraduate research position in the field of electrical engineering, computer engineering or computer science.

Note: I am a permanent resident of the United States and do not require Visa Sponsorship for employment.

EXPERIENCE

iOS Developer

RPI CSDT GROUP

01/2018 - PRESENT

- Working as an undergraduate researcher to develop iOS apps for viewing 3D models in a classroom setting, using cutting-edge technologies involving **Augmented Reality**.
- Adopting iOS frameworks such as SceneKit & Model I/O for 3D model viewing, and ARKit for the augmented reality experience.
- Designing the UI and UX for the app from scratch.
- Key areas of expertise: TableView, CollectionView, SceneKit, Core Data, Core Motion, XIBs, Xcode 9, Swift 4 and Objective-C.

Graphic Designer and Web Designer

RPI STUDENT UNION

01/2017 - PRESENT

- Apply graphic design skills in creating logos, posters, brochures, and other designs using Adobe Illustrator, Adobe InDesign and Adobe Photoshop.
- Maintain RPI Union Websites using Drupal.

Electronic Manufacturing / AutoCAD Intern

QUADLOGIC CONTROLS CORP

02/2016 - 05/2016

- Drafted 10+ AutoCAD schematics of complex electrical products to enable smooth production of electronics.
- Verified 200+ service statuses of electrical products using TeraTerm in order to improve the satisfaction rating of the company.
- Assisted with electronic manufacturing processes such as soldering.

Programming Team Captain & Video Editor

FIRST ROBOTICS TEAM 1635

09/2013 - 06/2016

- Developed a course-correction algorithm in Java to ensure that the robot drives straight despite external forces that could render it off-course. It was accomplished with the help of an onboard gyroscope.
- Utilized Java and Arduino to program WPILib – based robots. The 2016 robot ranked #5 in NYC Regional Competition.
- Developed strong leadership, communication and time management skills dealing with various challenges in the 6-week designing process.
- Filmed and produced professional videos documenting the entire robotics journey, receiving over 20,000 views.

CERTIFICATIONS

Microsoft Office Specialist - PowerPoint 2013, Certipoint

- License Number: 13410139

June 2016

EDUCATION

Rensselaer Polytechnic Institute (RPI)

B.S., Computer Science & Computer Systems Engineering

Expected Graduation Date: May 2020

Rensselaer Leadership Award

Coursework: Data Structures, CAD, Calculus I – III, Differential Equations, Physics I – II, Embedded Control, Computer Components & Operations, Electric Circuits, Foundations of Computer Science, Intro to Algorithms, Principles of Software

PROJECTS

Personal Website - url: ljw980105.github.io

- Designed a fully-responsive personal website entirely from scratch, using HTML, CSS, JavaScript, jQuery and ReactJS.
- Reverse-engineered the mobile game 2048 using ReactJS and the MVC pattern. See it in action in the games tab of my website.
- Gained experience with web design software & workflows such as Dreamweaver, JetBrains Webstorm. and GitHub Pages.

Embedded Control - Fall 2017

- Utilized the SiLabs C8051 microcontroller unit to engineer a series of embedded systems, which include a Smart Car and a Gondola both capable of steering, driving and course correction.
- Gained experience programming the microcontroller using the C programming language, as well as utilizing EE techniques including analog to digital conversion, I²C, pulse width modulation and PID control algorithms.

SKILLS



LANGUAGES: Bilingual: fluent in English and Chinese



IDES: CLion, WebStorm, PyCharm, Eclipse, NetBeans, SiLabs IDE, Wing IDE, Xcode



CODING: Python, Java, C++, C, Objective-C, iOS Development, Swift, Git, Arduino



WEB DESIGN: HTML, CSS, Sass, JavaScript, jQuery, ReactJS, Adobe Dreamweaver



BASIC: Windows 7/8/10, macOS, iOS, Microsoft Office, Adobe Acrobat



ENGINEERING: AutoCAD, MatLab, Siemens NX, Embedded Systems, Logic Design, Circuit Design



IMAGING & DESIGN: Adobe Photoshop, Adobe Illustrator, Adobe InDesign, Adobe Lightroom



VIDEO EDITING: Adobe Premiere Pro, Adobe After Effects, Adobe Audition, Final Cut Pro