JING WEI LI

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OBJECTIVE

To obtain a summer internship or an undergraduate research position in the field of computer science, computer engineering or electrical engineering,
Note: I am a permanent resident of the United States and do not require Visa Sponsorship for employment.

EXPERIENCE

Mobile Software Engineering Intern

MODERNIZING MEDICINE   *SUMMER 2018*
• Working as an iOS developer to maintain Modernizing Medicine's two apps, PocketEMA and Telehealth, with Swift and Objective-C. These apps directly improve the lives of more than 160 million patients.
• Working with the MVVM design pattern using reactive programming techniques.
• Collaborating closely with a Scrum team to facilitate software engineering in a team setting.
• Issue tracking with JIRA & HTTP Debugging with Charles Proxy.
• Technologies used: Swift, Objective-C, ReactiveKit, Bond, Carthage, Xcode, JetBrains AppCode, JIRA, BitBucket, Sourcetree and Charles Proxy.

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 EE processes such as soldering.

CERTIFICATIONS

Microsoft Office Specialist - PowerPoint 2013, Certiport
•   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, I^2C, 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