Max Liao

Software Engineer

Contact

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Atlanta, GA 30345

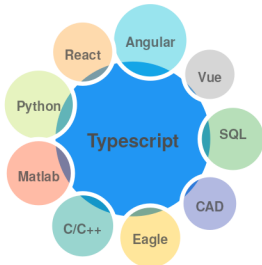max.liao@gmail.com

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Work Eligibility

U.S. Citizen

Computer Skills

Technical Skills

App Development
UX/UI Design
Unit Testing
End to End Testing
Embedded Systems
Micro controllers
CAD Design
PCB Design
3D Printing
Technical Writing
PID Controllers
Lab Experience
Organic Chemistry

OS Preference

Linux ★★★★★
Windows ★★★★☆
iOS ★★★☆☆

Highlights

- Fullstack software engineer with Focus on frontend UX web design
- Software development for elevator dispatch touchscreen devices for TKE
- C# app development ATM components for NCR
- Embedded systems and software development experience in multiple applications

Experience

03/19 - now   **Software Engineer**   TKE

Software development, testing, and support for touchscreen elevator dispatch system including including lobby elevator kiosks, car operating panels, and smart mirrors deployed inside the elevator
- Developed web app to communicate with devices on job sites
- App controlled touchscreen displays, settings, content, and software updates through ethernet
- Created ElectronJS app with VueJS to simulate destination dispatch of elevators using RS-485 and UDP
- Added Cypress automated end-to-end testing to codebase

11/18 - 6/19   **Teacher's Assistant**   Georgia Institute of Technology

Full Stack Flex Web Development - teacher's assistant with Trilogy Education
Taught night classes for Georgia Tech Professional Education
Material included NodeJS, ExpressJS, SQL/MongoDB, React

4/18 - 12/18   **Software Engineer**   NCR Corporation

Software and firmware support for the ATM hardware division at NCR
Created and supported analysis tool for the Scalable Deposit Module 2

8/15 - 12/17   **Research Assistant**   Skidaway Institute of Oceanography

Researched UV-wet chemical oxidation dissolved organic carbon (DOC) analyzer for aqueous samples to obtain higher precision, faster speeds, and more adaptable usage than commercial instruments

4/15 - 9/15   **Electrical Engineer**   PhytoSynthetix

Made improvements to a fluorometer for grow chamber monitoring at the University of Georgia horticultural greenhouse

1/13 - 1/15   **Software Test Engineer**   Cisco Systems

Install and maintain a continuous integration test framework for set top boxes
- Developed test software and procedures in Python and C
- Generated specification and prototype test equipment per product test and repair requirements

Education

2015 - 2017   **Master of Science in Biological Engineering**   University of Georgia

Research Assistant at Skidaway Institute of Oceanography
Advisers: Dr. Aron Stubbins and Dr. Mark Haidekker

2008 - 2012   **Bachelor of Science in Electrical Engineering**   Georgia Institute of Technology

Undergraduate Research Opportunities Program - a multiple antenna energy harvesting circuit involving frequency selective surfaces
Adviser: Dr. Manos Tentzeris

Languages

English ★★★★★
Mandarin ★★★★☆
French ★★★★☆
Spanish ★★★☆☆

Certifications

08/2018   **Full Stack Flex Web Development**   Georgia Institute of Technology
Professional education certificate for a full stack web development coding bootcamp

12/2017   **Coastal and Oceanographic Engineering**   University of Georgia
Graduate certificate for multi-disciplinary program in engineering and marine sciences emphasizing marine instrumentation and numerical modeling of near-shore and coastal processes
Includes course work in engineering and marine sciences as well as a research and design component at the graduate level

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