

Max Liao

Software Engineer

Contact

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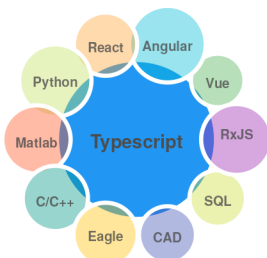
github.com/max-liao

www.linkedin.com/in/liao-max

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 ★★★★★

Languages

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

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 originally in AngularJS before upgrade to Angular 11+
 - Created ElectronJS app using Vue 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
Certificate in Coastal and Oceanographic Engineering
- 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
- 2018 **Full Stack Flex Web Development** [Georgia Institute of Technology](#)
Georgia Tech Professional Education coding bootcamp