

J I A T A I H A N

SOFTWARE ENGINEER



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EXPERIENCE

Software Engineer | Megger | Dallas, TX

Feb 2020 - Present

Use multiple programming languages and platforms to deliver software and hardware products, including firmware, desktop and mobile apps, to customers in power transmission industry; Develop industry-standard software to automate testing calibration and manufacturing process:

- Design simulations of hardware prototypes using C++ based on given specs;
- Implement simulations into firmware on real-time DSP with C;
- Write Python scripts & WPF apps to automate testing, verification & calibration;
- Examine, test, verify and improve hardware circuitry designs;
- Develop cross-platform apps for hardware products using C# & Xamarin;
- Design a graphical editor to visualize & edit relay characteristic parameters;
- Deliver regular firmware & app updates, and fix bugs reported by customers.

.Net Full Stack Developer | Texas A&M AgriLife | College Station, TX

Aug 2019 - Dec 2020

- Maintain the electronic database of TAMU Insect Collection;
- Develop web interface for data entry, collection managing and exporting;
- Implement new features using C#, .NET MVC, JavaScript, HTML, and CSS.

Research Aid | Arizona State University | Tempe, AZ

Mar 2017 - Dec 2017

- Assist research teams on signal processing simulations;
- Provide technical support and run daily maintenance for lab computers;
- Design hardware circuits for signal processing test.

Graphic & Web Designer, Videographer | PBSRG | Tempe, AZ

Jun 2014 - Dec 2016

- Provide designs for logos, images and websites for academic events;
- Collaborate with managers to fulfill the requirements and interact with clients;
- Design, film and edit videos to promote research activities.

EDUCATION

Texas A&M University

Jan 2018 - Dec 2019, College Station, TX

Master of Engineering

Computer Engineering

GPA 3.70 / 4.00

Arizona State University

Aug 2013 - Dec 2016, Tempe, AZ

Bachelor of Science in Engineering

Electrical Engineering

GPA 4.00 / 4.00

SKILLS

C

C++

C#

Python

SQL, Object-Oriented Programming, Database Design, System Design, Linux/Unix, Real-time DSP, Relay System Test, Signal Processing, Circuit Design, Data Structures.