

# 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 2019

- Maintain the electronic SQL 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

Python	<div></div>	■
C#	<div></div>	■
C	<div></div>	■
C++	<div></div>	■
SQL	<div></div>	■
Java	<div></div>	■

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