



# Jiatai Han

Computer Engineering



## Summary

Proactive and results-oriented Computer Engineering student with excellent academic performance, is looking for a full-time position, to work with talented and experienced engineers in the industry and make positive contribution to the organization in a professional environment with skills learned in the classroom.



## Experience

Aug 2019 –  
Dec 2019

### Graduate Assistant as .Net Full Stack Developer

College of Agriculture and Life Sciences, Texas A&M University

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

Jun 2019 -  
Aug 2019

### Internship as Technology Investment Assistant

Oriza Holdings (元禾控股), Beijing, China

- Research companies in terms of their technology potentials for future earnings;
- Interview the candidate companies' teams for Q&A and provide advice to managers;
- Write research summaries to analyze and identify the key factors in technology aspects.

Mar 2017 -  
Dec 2017

### Research Aid at Bliss Laboratory of Information, Signals, and Systems

School of Electrical, Computer, and Energy Engineering at Arizona State University

Jun 2014 -  
Dec 2016

### Student Worker as Graphic & Web Designer, Videographer

Performance Based Studies Research Group, Arizona State University



## Education

Jan 2018 –  
Dec 2019

### Texas A&M University, TX

GPA 3.70 / 4.00

Master of Engineering - Computer Engineering

Aug 2013 -  
Dec 2016

### Arizona State University, AZ

GPA 4.00 / 4.00

Bachelor of Science in Engineering - Electrical Engineering

Aug 2010 -  
Jun 2013

### Beijing University of Aeronautics and Astronautics, China

GPA 87.5 / 100

Higher National Diploma - Electronic Engineering



## Projects

Spring 2020

### Doctors & Patients Interaction Web App using RESTful API

Built with Django based on Python, pulling and sending data using RESTful API (DrChrono).

Fall 2019

### Automatic Screenshot Take-Scroll-Stitch

A Python script that automatically scrolls to take screenshots and stitches together.

Fall 2019

### Magic Jewelry, a Python Game

A Python version of 1990 NES game "Magic Jewelry" originally developed by Hwang Shinwei.

Fall 2019  
Spring 2019  
Spring 2019  
Fall 2018  
Fall 2018  
Spring 2018  
Fall 2016  
Fall 2016  
Spring 2016  
Fall 2015  
Fall 2015  
Spring 2015  
Fall 2013

- Face Detection using Viola-Jones Algorithm
- Grey-scale Photo Colorizer using Neural Network
- Java-based Simplified Database Management System
- Web-based Personal Contacts Management System
- Multi-thread Circuit Simulator with Build-in Sparse Matrix Solver
- Web-based Animal Interaction Gauge & Labor Efficiency System
- Indoor Positioning System using Bluetooth Triangulation
- OFDM Data Transmission & Reception with ECC
- Real-Time Video & Audio Processing
- 16-To-1 Integrate-And-Fire (If) Neuron Imitation Circuit
- Low Noise Operational Amplifier
- Vending Machine Prototype
- Multifunctional Digital Clock with 128x64 LCD Display

(Python, OOP Design)  
(Keras, TensorFlow, Python)  
(Java, IntelliJ IDEA)  
(PHP, Bootstrap, MySQL)  
(C++, MATLAB, POSIX Threads)  
(Ruby on Rails, Bootstrap)  
(Raspberry Pi, Python, C#)  
(MATLAB, GNU Radio)  
(Real-Time DSP, C++, Assembly)  
(Cadence, HSpice, 30nm)  
(Cadence, 0.3µm)  
(VHDL, Xilinx FPGA)  
(Embedded C, 8051 MCU)



## Personal Info

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## Programming Languages

Python



Java



C & C++



C# & .NET  
Framework  
PHP, HTML  
& CSS,  
JavaScript



SQL



Others: Django, Swift,  
Ruby on Rails, MATLAB,  
8086 Assembly  
Languages, VHDL



## Skills

Database  
Architecture



Data  
Structures



Algorithms



Network



Others: Git, Linux/Unix,  
Object-Oriented Design,  
Software Testing and  
Debugging, RESTful API,  
Agile Development Cycle,  
Computer Architecture,  
Operating Systems,  
SaaS.



## Software

Adobe Creative Suits,  
Visual Studio, XCode,  
Android Studio, Microsoft  
Office, Cadence, LabView.