

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

GPA 4.00 / 4.00

Aug 2013 -

Dec 2016

Master of Engineering - Computer Engineering

Arizona State University, AZ

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

Fall 2019

Magic Jewelry, a Python Game

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

Fall 2019

Face Detection using Viola-Jones Algorithm

A powerful algorithm utilizes Adaboost for real-time face detection, implemented with Python.

Spring 2019

Grey-scale Photo Colorizer using Neural Network

Model was trained using Keras on TensorFlow, a simple Python GUI was used as interface.

Spring 2019 Fall 2018

Fall 2018 Spring 2018

Fall 2016 Fall 2016 Spring 2016 Fall 2015 Fall 2015 Spring 2015

Fall 2013

- 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

(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)

(Java, IntelliJ IDEA)



Website:

jiataihan.dev

Address

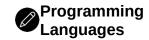
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Python

Java

C & C++

C# & .NET Framework PHP, HTML

& CSS, **JavaScript**

SQL

Others: Ruby on Rails, Swift, MATLAB, VHDL.

Assembly Languages (DSP and 8086)



Database Architecture

Structures

Algorithms

Network

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



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