

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

Aug 2010 -Jun 2013

Bachelor of Science in Engineering - Electrical Engineering

GPA 87.5 / 100

Higher National Diploma - Electronic Engineering

Projects

Spring 2020

Doctors & Patients Interaction Web App using RESTful API

Beijing University of Aeronautics and Astronautics, China

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

Fall 2016

Fall 2016

Fall 2015

Fall 2015

Fall 2013

Spring 2015

Spring 2016

Spring 2018

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, MvSOL) (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)



Website:

jiataihan.dev

Address

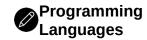
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Python

Java

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C & C++

C# & .NET Framework PHP, HTML

& CSS, **JavaScript**

SQL

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



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.



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