

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.



Website:

jiataihan.dev

Address

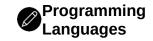
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Python

Java

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C & C++

C# & .NET Framework

PHP, HTML & CSS. JavaScript

SQL

Others: Ruby on Rails,

Swift, MATLAB, VHDL, Assembly Languages (DSP and 8086)



Database

Architecture Data

Structures

Algorithms

Network

Others: Git, Linux/Unix,

Object-Oriented Design, Software Testing and Debugging, Agile Development Cycle, SaaS, Web API, Computer Architecture, Operating Systems.

Software

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

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

GPA 87.5 / 100

Master of Engineering - Computer Engineering

Aug 2013 -Dec 2016

Arizona State University, AZ

Bachelor of Science in Engineering - Electrical Engineering

Aug 2010 -Jun 2013

Beijing University of Aeronautics and Astronautics, China

Higher National Diploma - Electronic Engineering

Projects

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

Face Detection using Viola-Jones Algorithm

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

Spring 2019 Spring 2019 Fall 2018 Fall 2018

Spring 2018

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

Fall 2013

OFDM Data Transmission & Reception with ECC

Low Noise Operational Amplifier

Multifunctional Digital Clock with 128x64 LCD Display

(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)

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**

Real-Time Video & Audio Processing 16-To-1 Integrate-And-Fire (If) Neuron Imitation Circuit

Vending Machine Prototype