

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 -Present

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 present

Texas A&M University, TX

GPA 3.78 / 4.00

Aug 2013 -Dec 2016

Arizona State University, AZ

GPA 4.00 / 4.00

GPA 87.5 / 100

Aug 2010 -Jun 2013

Bachelor of Science in Engineering - Electrical Engineering

Beijing University of Aeronautics and Astronautics, China

Higher National Diploma - Electronic Engineering

Master of Engineering - Computer Engineering



Projects

Spring 2019

Grey-scale Photo Colorizer using Neural Network

Model was trained using Keras on TensorFlow, a simple Python GUI and an Android,

Spring 2019

Java-based Simplified Database Management System

Accept user input with TinySQL syntax, convert the queries into database operations, and execute with optimized algorithms to deal with limited memory and I/O requirement.

Fall 2018 Fall 2018 Spring 2018

Fall 2016

Fall 2016

Fall 2015

Fall 2013

Spring 2016 Fall 2015

Spring 2015

- Multi-thread Circuit Simulator with Build-in Sparse Matrix Solver
- Web-based Animal Interaction Gauge & Labor Efficiency System Indoor Positioning System using Bluetooth Triangulation

Web-based Personal Contacts Management System

- **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, 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)



Address

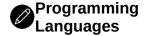
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Python

Java

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C & C++

C# & .NET

Framework PHP, HTML

& CSS, JavaScript

SOL

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.