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

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	**Grey-scale Photo Colorizer using Neural Network**	(Keras, TensorFlow, Python)
Spring 2019	**Java-based Simplified Database Management System**	(Java, IntelliJ IDEA)
Fall 2018	**Web-based Personal Contacts Management System**	(PHP, Bootstrap, MySQL)
Fall 2018	**Multi-thread Circuit Simulator with Build-in Sparse Matrix Solver**	(C++, MATLAB, POSIX Threads)
Spring 2018	**Web-based Animal Interaction Gauge & Labor Efficiency System**	(Ruby on Rails, Bootstrap)
Fall 2016	**Indoor Positioning System using Bluetooth Triangulation**	(Raspberry Pi, Python. C#)
Fall 2016	**OFDM Data Transmission & Reception with ECC**	(MATLAB, GNU Radio)
Spring 2016	**Real-Time Video & Audio Processing**	(Real-Time DSP, C++, Assembly)
Fall 2015	**16-To-1 Integrate-And-Fire (If) Neuron Imitation Circuit**	(Cadence, HSpice, 30nm)
Fall 2015	**Low Noise Operational Amplifier**	(Cadence, 0.3μm)
Spring 2015	**Vending Machine Prototype**	(VHDL, Xilinx FPGA)
Fall 2013	**Multifunctional Digital Clock with 128x64 LCD Display**	(Embedded C, 8051 MCU)

Personal Info

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jiataihan.dev

Address

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Programming Languages

Python	●●●○○
Java	●◐○○○
C & C++	●○○○○
C# & .NET Framework	●●○○○
PHP, HTML & CSS, JavaScript	●◐○○○
SQL	●●●○○

Others: Ruby on Rails, Swift, MATLAB, VHDL, Assembly Languages (DSP and 8086)

Skills

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.