



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

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

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 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

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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Programming Languages

Python



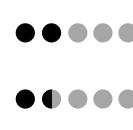
Java



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.