

Jordan Austin James

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EDUCATION

Texas A&M University, College Station, Texas

August 2018

Bachelor of Science in Computer Engineering

Minor in Mathematics

Overall GPA: 3.644

University of Texas at Arlington

Attending

Master of Science in Computer Science

WORK EXPERIENCE

Ingersoll Rand Inc. (Trane), Tyler, Texas

Control Algorithms/Data Science Co-Op

May 2017 – December 2017

- Developed correction algorithm for temperature sensing under various anomalies
- Developed Single-Stage HVAC runtime prediction algorithm for cooling season
- Created automated thermostat testing framework using Z-Wave protocol
- Improved resolution of temperature and humidity sensing by 100%

Lennox International

Software Engineer

December 2018 – August 2020

- Maintained Alexa application and deployed new Alexa applications
- Full stack mobile development on thermostat application

SKILLS & QUALIFICATIONS

- Proficient in: Python 2, NumPy, Pandas, SciPy, MATLAB, Java, C++, JavaScript, SQL, Bash, GIT, LaTeX, MIPS, Verilog, Visual Studio, Microsoft Office
- Familiar with: Tensorflow, TFLearn, Keras, SKLearn, Python 3, Flask, C, C#, Z-Wave Protocol, HTML, CSS

PERSONAL PROJECTS

Software

- NES with Xbox Kinect – Implemented with Raspberry Pi, Arduino Uno, and Kinect SDK
- Food Image Classifier – Implemented in Python and Flask
- Connected Mancala with Minimax AI – Implemented in Java
- Custom Bash-style Shell – Implemented in C++
- SQL-like Database – Implemented in C++
- Pancake Sorting Game – Implemented in C++ and FLTK

Hardware

- Pipelined Processor with Hazard Detection for MIPS Assembly Architecture – Implemented in Verilog
- Light Dimmer – Implemented using Arduino Uno
- Zero Crossing Detector – Implemented using Arduino Uno
- Waveform Detector – Implemented using Arduino Uno
- Oscilloscope – Implemented using Arduino Uno
- Digital Multimeter – Implemented using Arduino Uno