Craig Sandlin

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EDUCATION

Texas State University

B.S. Computer Science -Computer Engineering
Applied Math Minor
January 2018-December 2020 | San Marcos, TX
Deans List
Major GPA 3.91 / 4.0

Austin Community College

A.A.S Electronics Technician
August 2014 | Austin, TX

COURSEWORK

Current

Operating Systems
Intro to Advanced Mathematics

Upcoming

Computer Graphics
Embedded Computer Systems
Computer Networks

Completed

Software Engineering
Computer Architecture
Digital Logic
Calculus Statistics
Intro to Computer Science I & II
Data Structures
Circuits I
Object Oriented Design (Java)
Calculus I & II
Assembly Language
Linear Algebra
Discrete Mathematics I & II
AC & DC Circuits
Solid State Devices
Linear Integrated Circuits
Data Acquisition (LabView)
Microprocessor

SKILLS

PROGRAMMING

Experienced:
C++ • Python • VBA • MIPS • Java
Familiar:
ReactJS • Verilog • LabView • Testing

OTHER

Electrical Measurements • Calibration •
DC Circuit Development

LINKS

Portfolio://cjs141.github.io
Github://cjs141
LinkedIn://CraigSandlin

EXPERIENCE

Philips | Engineering Lab Technician

January 2016-August 2019 | San Marcos, TX

- Vibration Specialist-Electrodynamic shaker operation and vibration analysis.
- Expertise in thermal, ingress protection, salt spray, impact, battery discharge, photometric testing, and calibration.
- Approbations listings to UL and Intertek
- Developed flow for scheduling using VBA

National Oilwell Varco | Transducer Technician

August 2014-December 2015 | Cedar Park, TX

- Expertise in the calibration and methodologies used in load, flow, and level transducers used at oil rig sites.

Heliovolt Solar, Austin TX | Test Technician

Spring 2013 | Austin, TX

- Mechanical and electrical load testing on solar panels.

PROJECTS

GUI Automation | Python/VBA

Procedural program designed to allow the user to run tasks with a push of a button. The user sets up a procedure that includes any number of mouse, keyboard, or hotkey instructions. Procedures can be saved and loaded. Any task can be automated so long as the sequence of instructions is known beforehand. Works on all software including proprietary software with no API.

CPU Emulator | C++

Functionality of a five-stage pipelined CPU with an L1 cache using write-back, write allocate with a round robin replacement policy. Full forwarding paths emulated with statistics on cycle count, bubbles, and flushes required due to data hazards.

Portfolio Website | ReactJS

Used ReactJS to develop a personal website to display my resume, projects, and contact info.