

Craig Sandlin

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EDUCATION

Texas State University Jan 2018-Dec 2020
B.S. Computer Science -Computer Engineering
Applied Math Minor
Deans List
Major GPA 3.91 / 4.0
Austin Community College August 2014
A.A.S Electronics Technician

EXPERIENCE

Philips | Engineering Lab Technician
San Marcos, TX Jan 2016-Aug 2019

- 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
Cedar Park, TX Aug 2014-Dec 2015

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

Heliovolt Solar, Austin TX | Test Technician
Austin, TX Spring 2013

- Mechanical and electrical load testing on solar panels.

SKILLS

Programming

Experienced:

C++ • Python • VBA • MIPS • C • Java

Familiar:

ReactJS • Verilog • LabView • Continuous Integration • Testing

Laboratory

Electrical Measurements • Calibration •
DC Circuit Development • Soldering • Regulatory
Compliance Testing • NVLAP Accreditation

LINKS

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

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 information.

COURSEWORK

Current

- Parallel Programming
- Embedded Computer Systems

Completed

- Operating Systems
- Software Engineering
- Computer Architecture
- Digital Logic
- Data Structures
- Object Oriented Design (Java)
- Assembly Language
- AC & DC Circuits
- Solid State Devices
- Linear Integrated Circuits
- Data Acquisition (LabView)
- Microprocessors