

Scott A. Austin

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OBJECTIVE:

Seeking full time employment. Hoping to start a new professional career in engineering.

EDUCATION:

The Ohio State University, Columbus, OH
Bachelor of Science in Electrical and Computer Engineering, Electrical Engineering Program of Study

Graduation: May 07, 2017
Overall GPA: 3.13

Mohawk Valley Community College
Associates of Science: Engineering Science

May 1987

Returning non-traditional student: MVCC, SUNY IT, CSCC, The Ohio State University

2010-2012

QUALIFICATIONS & COURSEWORK:

passed NCEES FE exam, tested 07/13/17

Intro to Radio Frequency & Optical Engineering, Capstone Design 4900, Intro to Electronics, Signals & Systems, Electric Machines, Solid State Microelectronics Lab, Advanced Digital Design, Philosophy/Engineering Ethics, High Voltage Electronics Lab, Sustainable Energy AC/DC Machine Conversion Lab
Computer software - Proficient in Open Office, Microsoft Word, Power Point, Excel, MLA - Technical CAD/CAM, PSpice, TopSpice, Quartus II, Xilinx, Gamside, Power World, Octave, Silvaco, Draw.io, Smartdraw, Eagle Circuit board design, Fast x, Linux, CDAS, Visio
- High level – C, Fortran77, Pascal, basic, MATLAB, Simulink, FreeMat - Low level – assembly language/M68HC11/THRSim II
Digital and analog circuits analysis & design, power line transmission, capstone design 3900- standards, documentation
Semiconductor microchip – chip fabrication completed in clean room, Keithley 4200 and 590 CV Analyzer, 4-pt probe, mask aligner
Cypress PSoC and PRoC Blue Tooth low energy boards, Sabretooth VI.03 motor controller, Arduino Uno

ACTIVITIES:

IEEE, OSU chapter - Active member, Power Supply Team Liaison

Fall 2015 - present

- Built ac/dc power supply for 3-d printer in group of 10
- Searched for schematics, checked schematics on Pspice, and assembled prototype

The OSU Electronics Club – new member - hands on experience learning electronics – analog circuits on breadboards, schematics, programmable boards, low energy blue tooth chips and designing premade boards

Fall 2016 – Spring 2017

Personal Solar Energy Systems, Sustainability Seminar

- Conducted research, prepared and delivered PowerPoint presentation on Personal Solar Systems

Technical Writing - Prepared and delivered PP proposal and marketing strategy for cogeneration desalination plant in California

Researched Carbon nanotubes - created a poster and answered questions at a student presentation event

Robotics/Capstone project: Fetchbot – built autonomous unit; retrieves dropped or low objects for people with limited mobility

ACLU, Amnesty International, IEEE Member, passed NCEES FE exam – 07/13/17

American Heart Association Run/Walk Participant, 18mi (March 2008, 2009, 2010, 2011)

American Diabetes Assoc. Tour de Cure Participant, 62mi around Oneida Lake (June 2008, June 2009)

Non-Professional INDUSTRIAL SKILLS:

- Research and Development • Burr-Oak • Bertolette • Hitachi chop saw • K-400 • band-saw • nibbler • cnc • pines
- Cmm • Assembly • High-pressure steamer • Pressure testing • R-f gun • power tools • light screens • conveyor belts
- Robotic welding • electric floor cleaner • grinder • packer • assembly line • tool & die • etc.

EMPLOYMENT:

The Callos Co. Superior Die, Tool & Machine

Columbus, OH

Press Operator/stack blanks/clean

July 2013 – Aug 2015 May 2016-Aug 2016

- Worked 12 hrs per day, 7 days per week; Made blanks, changed dies and coils; improved Spanish language skills
- Gained experience working on assembly line; lubed steel, grinded, packed; also designated to hand out supplies and clean

O MT – Oriskany Manufacturing Technologies

Yorkville, NY

Tube cutter

Jan 2009 – May 2011

- Set-up and cut copper 4 machines – Burr-Oak, Bertolette, Hitachi chop saw, and K-400. Cut steel on band-saw
- Assisted at other work stations if needed; bend on cnc, pines, take cmm's, assembly, steam, forklift, and floor cleaning

Empire Recycling Corp.

Utica, NY

Shearer

June 1995 – Dec 2008

- Cut and sorted Aluminum to a specific degree; cut to smaller, more manageable pieces

AUTOMATIC DISQUALIFICATION: non-violent, non-contact registered sex offender 2012-2027