

Austin S. Davenport

Oak Ridge TN, 37830 | 805-844-6973 | asdaven15@gmail.com

PROFILE

Mechanical Engineering student with a background in applied radiological analysis and experience in collaborative engineering design, 3D modeling, and applied physics principles.

Working knowledge of:

- SolidWorks
- AutoCAD
- Engineering Design Process
- Management
- MATLAB
- Computer Hardware

EDUCATION

Walters State Community College

AS in Physics

GPA: 3.0

Tennessee Technological University

BS in Mechanical Engineering

Graduate Spring 2025

RELEVANT COURSES

Engineering Analysis, Electrical Circuits, Mechanics of Materials, Statics and Dynamics, Thermodynamics, Engineering Programming, Engineering Measurements

PROJECTS AND VOLUNTEER WORK

- Member of the inaugural SAE Aero Design Club at Tennessee Tech University
- Actively updating portfolio for personal projects (3-D modeling and stress tests in SolidWorks) in collaboration with an associate.
- 6-year cooperative project between myself and 3 other team members that highlights analytical and problem-solving abilities, critical thinking, communication, teamwork, organization, research, commitment, and small group dynamics.

EXPERIENCE

University Of Tennessee Knoxville, Knoxville TN

March 2023 - Present

Installation Technician

- Installed ethernet cable runs according to *Tennessee Article 800 Communications Circuits*, in correlation with foreman and customer insight.
- Troubleshoot communication hardware for faculty and professionals on campus using *Fluke – LinkRunner* testers, tone generators, and phone cable pairs.
- Troubleshoot and install network connections via wireless Access Points, patch cables within customer buildings to network closets located in another location.
- Install and terminate RJ45 – Ethernet connections

Teledyne Brown Engineering, Knoxville TN

October 2018 - December 2022

Laboratory Technician 2

- Held Security Clearance.
- Supervised and trained incoming associates for certain parameters in the laboratory.
- Ensured a steady workflow for entire team in a critical data environment.
- Analyze and report measurement results obtained by specialized radiological counting instruments to management for customers.
- Perform calibration and basic preventative maintenance routines to increase accuracy of instruments and laboratory.
- Operate proprietary cryogenic instruments utilizing liquid nitrogen.
- Quality Assure and assess engineering schematics used in the production of in-house built equipment for purchase.
- Create and edit Laboratory manuals used for training and record keeping.

Denso Manufacturing/ Harbor Freight Tools/ Babalu Tapas, Knoxville TN Prior to October - 2018
Assembly Associate Logistics Associate Line and Preparation Cook

- Handled and manufactured electronic components for Toyota Automotive CPU and chassis on a fast-paced production line.
- Performed Electrostatic Discharge safe work in a controlled environment.
- In-State travel to new store locations to open, stock, and train new employees.
- Work closely with customers to build lasting connections.

REFERENCES

Management:

Micah Wilkins / TekSystems

Recruiter

1 (919) 720-3395

Micwilkins@teksystems.com

Michael Howard / Teledyne Brown Engineering

Program Manager

1 (865) 539-9554

2508 Quality Ln, Knoxville Tn, 37931

Patrick Jenkins / Teledyne Brown Engineering

Laboratory Manager

1 (865) 934-0411

2508 Quality Ln, Knoxville Tn, 37931

Andrew Hughes / Teledyne Brown Engineering

Project Manager

1 (865) 539-9554

2508 Quality Ln, Knoxville Tn, 37931

Associates:

Eric Robinson / University of Tennessee Knoxville

IT Technician

865-974-9900(work)

1 (865) 740-8220 (cell)

University of Tennessee Knoxville

Hunter Furches / Lockheed Martin

Project Engineer

1 (256) 880-5500 (work)

1 (423) 231-9989 (cell)

4000 Memorial Pkwy SW, Huntsville, AL 35802

James Lundy / Teledyne Brown Engineering

Laboratory Technician

1 (865) 539-9554 (work)

1 (865) 622-1174 (cell)

2508 Quality Ln, Knoxville Tn, 37931

Kris Bledsoe / Teledyne Brown Engineering

Laboratory Technician

1 (865) 539-9554 (work)

1 (865) 622-1174 (cell)

2508 Quality Ln, Knoxville Tn, 37931