

# EDWIN A. HICKS

Ballston Spa, NY 12020 | 518-396-9209 | [edwinhicks97@gmail.com](mailto:edwinhicks97@gmail.com)

**Entry-level Engineer / Physicist / Technician** with technical and mechanical aptitude. Excels in supporting projects, users and customers. Safety and quality minded, thorough, personable and responsive.

**Brings skills and experience in:** Electronics Testing & Wiring, Preventative Maintenance, Quality Control & Testing, Equipment Troubleshooting & Repair, Reading & Following Electronic Schematic Drawings, Soldering

**Software:** Basic Python, TeXworks, 2D AutoCAD, MS Excel for Statistical Analysis (tables, graphs, LINEST array function), and Adobe Photoshop. **Hardware:** multi-meter, power and hand tools.

## EDUCATION

**BACHELOR OF SCIENCE IN PHYSICS, Binghamton University, Vestal, NY**

Graduated 5/2019

GPA: 2.80

- **Relevant Coursework:** Modern Physics, Thermodynamics, Statistical Thermodynamics, Analytical Mechanics, Calculus-based Physics I & II, Chemistry I & II, Ordinary & Partial Differential Equations, Calculus I, II, and III, Electromagnetic Theory I & II, Quantum Mechanics I & II
- **Labs:** Kirchhoff's Rules, Wheatstone Bridge, Charge Over Mass, e/m of Electron, Dynamical Comparison of Masses, Johnson Noise, Magnetic Torque, Brewster's Angle, Photoelectric Effect, Atwood's Oscillator

**FUNDAMENTALS OF AUDIO AND MUSIC ENGINEERING: PART 1 MUSICAL SOUND & ELECTRONICS, University of Rochester on Coursera, 12/2019**

**INTRO TO ACOUSTICS (PART 1), Korea Advanced Institute of Science and Technology (KAIST) on Coursera, 2/9/2020**

**ADVANCED REGENTS DIPLOMA WITH MERIT SEAL, Burnt Hills-Ballston Lake High School, Burnt Hills, NY 6/2015**

- **Honors: National Honor Society, Science Honor Society, and Math Honor Society**
- **Clean Technologies and Sustainable Energy Early College High School (TEC-SMART), Malta, NY**
  - ✓ **Sample Coursework:** Electrical Theory Renewable Energy, Topics in 2D AutoCAD, and Introduction to Wind Power – completed 25 credit hours via Hudson Valley Community College
  - ✓ **Capstone Projects:** (1) Theoretical sustainable energy plan to install thermoelectric generators underneath roads and parking lots to power street lights; and (2) Theoretical nanoscience plan to use nano-conductive exterior paint on vehicles as alternative power method

## EXPERIENCE

**TECHNICIAN / APPLIANCE REPAIR, Stewart's Shops, Saratoga Springs, NY**

Summer 2017, 2018, and 2019

- Supported Operations / Appliance Repair Shop by completing preventative maintenance and appliance service repairs on commercial equipment such as coffee machines, pizza ovens and rotisseries.
- Provided safety and quality control testing of newly purchased machines, as well as equipment stored in the warehouse, before shipping to stores – modified and refurbished as needed.
- Worked with small power tools, installed and repaired wiring, and tested equipment.
- Kept accurate parts records and repair logs for department to maintain adequate inventory levels.
- Followed all standard operating procedures (SOPs), and wrote several SOPs for new equipment.
- Trained in OSHA Fire Safety, HAZCOM I & II, and Personal Protective Equipment.

**CUSTOMER SERVICE / EQUIPMENT & GROUNDS, Ellms Family Farm, Ballston Spa, NY**

9/2012–10/2014

- Seasonal work at Corn Maze and Christmas Tree Farm, engaging and assisting customers on site.
- Provided parking guidance, corn maze oversight and guidance, zip line and jumping pillow supervision, corn cannon operation, cut tree preparation, tree trimming, clean up, and training of new employees.

**Personal Project:** Learned to make, mix, and master music electronically using FL Studio software (self-taught)