

# Will Buziak

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## Education

### University of Tennessee, Knoxville

B. Sc. Mechanical Engineering  
Minor Computer Science

Expected Graduation:  
**May 2024**

## Experience

### Electrochemical Energy Conversion and Storage Lab Undergraduate Research Assistant

Knoxville, TN  
**Aug 2022 - Present**

- Assist PhD candidates in CFD modeling of two-phase flow for hydrogen electrolyzer research applications
- Design a user interface for energy storage and power delivery requirements for hybrid and electric powered vehicles

### Neuromorphic Computing lab Undergraduate Research Assistant

Knoxville, TN  
**Dec 2022 - Present**

- Assist a senior design research project in operating a drone by training a spiking neural network
- Develop software for embedded computing applications for neuromorphic systems

### Eck-Lectric Ind. Mechanical Engineering Intern

Knoxville, TN  
**Oct 2022-Present**

- Design, Develop, & Research solar thermal and photovoltaic processes for a solar power start-up company
- Assist in patent development for original product design

### Shaw Ind. Process Engineering Co-op

Dalton, GA  
**May 2022 – Aug 2022**

- Process improvement projects in a manufacturing environment focusing on waste management, safety and process optimization

## Computer Skills

C++ | Python | Java | MATLAB | Solidworks | Linux/Unix | Git | Siemens PLC | Microsoft Suite  
SLURM |

## Website

<https://github.com/wbuz24/Undergrad-Repo>