

# 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 (EESCL)

##### Undergraduate Research Assistant

Knoxville, TN  
**Aug 2022 - Present**

- Modeling of two-phase flow for hydrogen electrolyzer research applications
- Web development for interactive dynamic data visualization tools
- Design a user interface for energy storage and power delivery system requirements

### Neuromorphic

#### Computing (TENNLab)

##### Undergraduate Research Assistant

Knoxville, TN  
**Dec 2022 - Present**

- Embedded computing and control applications using spiking neural networks within the TENNLab neuromorphic framework

### Eck-Lectric Ind.

#### Mechanical Engineering Intern

Knoxville, TN  
**Oct 2022-Dec 2022**

- Assist in original product design for patent development

### 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

## Awards

- EnergyTech University Prize 2023 Bonus Prize finalist (Eck-Lectric)

## Computer Skills

C/C++ | Python | Java | MATLAB | Solidworks/Onshape | Linux/Unix | Git | Raspberry Pi  
HTML/CSS | RISC-V | SLURM/Shell Script | Jgraph