223 Highwood Court • Knoxville TN, 37920 • willbuziak@gmail.com

**Education**

**University of Tennessee, Knoxville** Expected Graduation:

B. Sc. Mechanical Engineering **May 2024**

Minor Computer Science

# 

# **Experience**

# 

City, State

**Electrochemical Energy**

**Conversion and Storage Lab** Knoxville, TN

**Undergraduate Research Assistant 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 lab** Knoxville, TN

**Undergraduate Research Assistant Dec 2022 - Present**

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

**Eck-Lectric Ind.** Knoxville, TN

**Mechanical Engineering Intern Oct 2022-Dec 2022**

* Assist in original product design for patent development

**Shaw Ind.**  Dalton, GA

**Process Engineering Co-op** **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++ | Python | Java | MATLAB | Solidworks/Onshape | Linux/Unix | Git | Raspberry Pi