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

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# **Experience**

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City, State

**Electrochemical Energy**

**Conversion and Storage Lab** Knoxville, TN

**Undergraduate Research Assistant 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** Knoxville, TN

**Undergraduate Research Assistant 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.** Knoxville, TN

**Mechanical Engineering Intern 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.**  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

**Computer Skills**

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

**Website**

[**https://github.com/wbuz24/Undergrad-Repo**](https://github.com/wbuz24/Undergrad-Repo)