

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

- CFD modeling of two-phase flow for hydrogen electrolyzer research applications
- Design a user interface for energy storage and power delivery system requirements

Neuromorphic Computing lab

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++ | Python | Java | MATLAB | Solidworks/Onshape | Linux/Unix | Git | Raspberry Pi