

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 system requirements

Neuromorphic Computing lab Undergraduate Research Assistant

Knoxville, TN
Dec 2022 - Present

- Embedded computing control applications using spiking neural networks
- Integrate simple neuron models as a neuroprocessor into the TENNLab framework

Eck-Lectric Ind. Mechanical Engineering Intern

Knoxville, TN
Oct 2022-Present

- 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

Computer Skills

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

Website

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