

# Undergraduate Research

## Mini-Processor Design

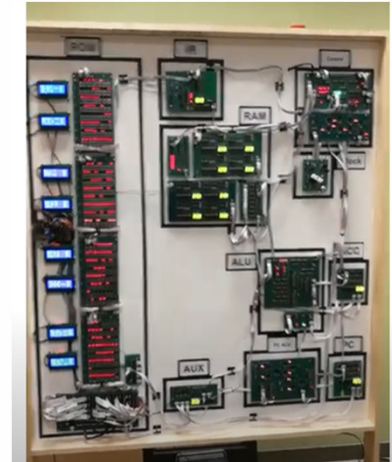
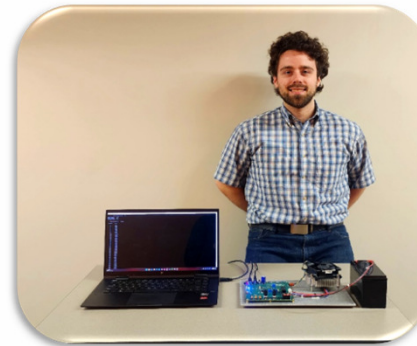
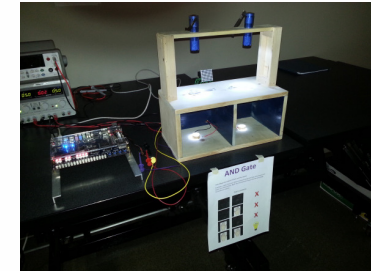
- BDF-based WIMP51, WIMPAVR
- MEGA WIMP51

## OURE Projects

- Morse-Code Translator
- Constant Current Battery Discharger Tester

## K-12 Education Tools

- Logic Gates Emulator
- B-To-D Emulator
- Binary Addition/Subtraction Emulator



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## Keywords

- #Education Research, #K-12 Education, #OURE

## Recognitions

- 2023 ASEE Midwest Section Outstanding Service Award
- 2022 Nominated for Missouri S&T Experiential Learning Award
- 2019 Missouri State University FCTL Teaching Award for Excellence in High Impact Learning Practices
- 2019-2020 Missouri S&T Experiential Learning Award
- 2018 ASEE Midwest Section Outstanding Service Award.
- 2017-2018 Missouri S&T Faculty Achievement Award
- 2014-2015 Missouri S&T Experiential Learning Award