

Connor Beheydt

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github.com/connorbeheydt

Experience

- Assistant Researcher**, Tampere University – Tampere, Finland December 2023 – **Present**
- Write and maintain project codebase, timeseries database, and IoT devices
 - Edge computing, IoT, smart meter protocols (IEC61850, DLMS-COSEM), power quality standards (IEC50160, IEC517)
 - Raspberry Pi, Docker, InfluxDB, Grafana, Linux, Python, C, MCU programming
- Systems Engineer**, Rovisys – Aurora, OH June 2022 – June 2023
- Rockwell and Siemens PLC programming and HMIs
 - On-site experience in several industrial plants
 - Full project cycle experience
- Tutor Manager (part time)**, The Ohio State University – Columbus, OH May 2021 – May 2022
- Schedule tutors in multiple residence hall locations
 - Hiring, communication, and management of multiple active staff members
 - Organization and presentation of instructional materials
- Teacher's Assistant**, The Ohio State University – Columbus, OH May 2021 – August 2021
- Design assignments and organize content for graduate course
 - Novel feedback control systems, MATLAB programming, LaTeX

Education

- Tampere University**, MSc in Smart Grids August 2023 – **Present**
- **Coursework:** Electrical engineering, grid automation, solar and wind energy, distributed energy resources, electrical motor control, power quality
- The Ohio State University**, BS in Engineering Physics(ECE) and Applied Mathematics August 2018 – May 2022
- **Coursework:** Digital Design, Analog Systems and Circuits, Signals and Systems, Microcontrollers, Software and Components, Multivariable Calculus, Linear Algebra, Scientific Computing, Complex Analysis, Tensor Calculus
 - **Programming** MATLAB, C++, LaTeX

Projects

- NASA MicroG-NeXT Challenge** Sep 2020 - Aug 2021
- Designed radio tracking system for autonomous naval drone "SAVISARR" to deliver emergency supplies
 - Control systems, radio frequency filtering and tracking, I2C communication, embedded C++, Linux
 - Technical writing on proposals and design overviews
 - Design proposal accepted; drone sent to NASA Neutral Buoyancy Lab in Texas, USA for testing
- Make OHI/O Hackathon** github.com/name/repo
- Created and pitched prototype for smart outlet "Plughub" that can display electricity usage of appliances
 - Awarded Second Best Overall by industry judges