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 Uniersity, MSc in Smart Grids   August 2023 – **Present**
- **Coursework:** Electrical engineering, grid automation, solar and wind energy, distributed energy resources, electrical motor control, power quality
- **Thesis:** Edge computing for monitoring power quality in low voltage electricity grids.

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   Feb 2019
- Created and pitched prototype for smart outlet "Plughub" that can display electricity usage of appliances
- Awarded Second Best Overall by industry judges