

Peter Holtmann

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Education

Missouri University of Science and Technology

May 2021

Bachelor of Science: Electrical Engineering | **Emphasis: Controls and Systems**

GPA: 3.77

Accelerated Master's Program | Advisor: Dr. Jie Huang

Professional Experience

Undergraduate Research Assistant

October 2020 – Present

Lightwave Technology Laboratory

Rolla, MO

- Work with Femtosecond Laser systems to fabricate Fiber Bragg Grating strain sensors.
- Plan and execute gallium corrosion tests on aluminum alloys common to military structures.
- Assist in the research of strain sensors to detect traumatic brain injuries.

Electrical Engineering Intern

May 2019 – Aug. 2019

Paul Mueller Company

Springfield, MO

- Engineering Lead on a new product line that utilized electric immersion heaters rather than plant steam.
- Streamlined Bill of Material production and Inventory Management system through use of Visual Basic and python.
- Worked to create customized machinery to fit client's specifications while maintaining ASME standards.

Webmaster

July 2020 – Present

Missouri S&T - Intelligent Systems Center

Rolla, MO

- Modernized the web presence of the research center.
- Wrote investigative reports on research projects to highlight investigators and increase the center's visibility.
- Hired and trained new student staff to maintain website.

Senior PRO Leader

April 2019 – Present

Missouri S&T - New Student Programs

Rolla, MO

- Planned, budgeted, and executed a week-long orientation for 1200 incoming freshmen.
- Planned and executed 15 preview and registration days for newly enrolled students.
- Created and presented an hour long presentation about mental health to over 1200 freshmen.

Leadership

Phi Kappa Theta Fraternity | *President* | April 2019 – April 2020

Student Involvement | *Greek Ambassador* | Aug 2018 – Jan 2019

Volunteering

PKT Fraternity | *Service Chairman* | April 2020 – Present

Mercy Hospital | *Outstanding Service Award* | May 2017

Honors

Missouri S&T | *Dean's List* | Aug 2017 – Present

Mu Alpha Theta Math Honor Society | *Inductee* | Aug 2017

Presentations & Projects

New Student Programs | *Miners Think* | Aug 2020

Senior Project | *Smart Baseball* | Aug 2020 – Present

Skills

MATLAB | C++ | Python | Visual Basic | AutoCAD | MultiSim | Quartus | Standard Lab Equipment