

Adam McGoff

CURRENT ADDRESS
400 Lindberg Road
West Lafayette, IN 47906

U.S. Citizen
(317) 440-9945
amcgoff@purdue.edu

PERMANENT ADDRESS
7323 N. Tuxedo street
Indianapolis, IN 46240

OBJECTIVE

Secure an engineering position with a company that shares my passion for design and the development process, as well as my desire to improve the lives of others.

EDUCATION

Purdue University, West Lafayette, IN May 2022
Bachelor of Science in Mechanical Engineering
Relevant Coursework: Design Team Coursework, Thermodynamics, Heat and Mass Transfer
Technical Skills: Creo Parametric, CATIA, MATLAB, C language, Microsoft Office, Machine Shop

RELEVANT EXPERIENCE

Research and Development Engineer, COOK Research Inc. August 2020-Present
Co-Op

- Initiated and contributed to designs for ongoing company projects
- Developed skills in CAD for use in rapid prototyping and proof-of-concept
- Developed animations for virtual user review and collaboration

Machine Shop, Purdue University August 2019-March 2020
Teaching Assistant

- Coordinated training for undergraduate machine shop labs
- Performed essential machine shop duties to maintain equipment and machines
- Designed and coordinated projects using machine shop equipment

Lithium-Ion Battery Analytics, Purdue University January 2022-Present
Undergraduate Research

- Analyzed degradation characteristics of lithium-ion batteries
- Performed experimental analysis to better understand the factors of high-performance battery cells
- Researched applications in electric vehicles for increasingly efficient battery cells

DESIGN PROJECTS

Pleural Drain, Cook Research August 2020-August 2021

- Created benchtop model for rapid throughput testing of human anatomy
- Designed device test protocols for anatomical models
- Created device animations for virtual presentations using CAD software
- Reviewed user needs and economic assessment

Tourniquet Device, Purdue University January 2019-present
Individual Study

- Researched indications for paramedics to improve application of tourniquet devices
- Designed prototype cuffing for coordinated research for potential production

LEADERSHIP

Shreve Residence Hall Club, Purdue University August 2017-May 2018
Vice-President

- Organized many events throughout the course of the year, including the Shreve Semi-formal
- Created an agenda and leading a meeting at least once a week

Affiliations

Boy Scouts of America-Eagle Scout