

Jordan Engineer

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Education

University of Pittsburgh, Pittsburgh, PA
Bachelor of Science in Materials Science and Engineering
GPA: 3.67

Expected Graduation: April 2021

Professional Experience

AK Steel Butler, PA
Hot Mill Process Control (Co-Op) January 2020-May 2020

- Evaluated and dispositioned material to achieve maximum product quality and yield
- Monitored quality and data trends using JMP, SAS, and real time systems to issue daily reports
- Researched alternative solutions as they related to cost, quality, and production requirements and consulted with colleagues, staff or operating personnel to assure proper documentation

AK Steel Butler, PA
Product Metallurgist (Co-Op) June 2019-August 2019

- Analyzed samples and processing conditions to determine root cause quality problems
- Designed processing change to better track trimming yield loss and conditions
- Compiled data relating to cost savings and yield and presented summary conclusions to supervisors

Research Experience

Stanford University – Summer Undergraduate Research Program on Energy Stanford, CA
Undergraduate Research Assistant June 2020-August 2020

- Conducted energy research under the guidance of faculty and experts in the area of energy consumption
- Attended weekly seminars on a range of disciplinary and interdisciplinary energy research; learned from faculty their career paths and how they decided to pursue research in energy
- Wrote a blog over the 10-week research program about experiences to share with future participants
- Participated in field trips to various energy companies in the Northern California region
- Presented final research poster to fellow students and university leadership

Volunteer and Leadership

Material Advantage, University of Pittsburgh Chapter January 2018-Present
Outreach Chair August 2020-Present

- Coordinate with both faculty and numerous organizations to bring in guest speakers
- Communicate with members monthly to make them aware of opportunities to get involved on campus and various other experiences

Boys and Girls Club of America August 2015-Present
Pitt Make A Difference Day October 2018, 2019, 2020

Skills

Technical:

- C++, MATLAB, JavaScript, JMP/SAS, and Excel

Lab:

- Soldering, Electrical Circuits, Corrosion Testing, Mechanical Failure, Technical Writing, Structure and Properties of Ceramic Materials, Process Sensing and Modeling, Safety Standards