

Jane Doe

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OBJECTIVE

To obtain a co-op for Summer and Fall of 2013 in the field of Material Sciences and Engineering

EDUCATION

Michigan Technological University
BS Materials Science and Engineering
GPA: 3.91

Houghton, MI
Expected 2016

ENGINEERING PROJECT EXPERIENCE

Pearce Research Group

Sept 2012 - Present

Michigan Tech University

Project: Recycle-bot Waste Plastic Extruder

Objective: To design an extruder to produce feedstock for RepRap 3D printer from polymer waste

- Worked as part of a team using open source technology focused on improving in-home 3D printing technology
- Designed automated temperature control system using an Arduino micro-controller
- Updated profiles of the recycle-bot of several sites dedicated to open source technology to further collaboration with the open source community

Project: Recycle-bot Waste Plastic Extruder

Objective: To produce feedstock for the RepRap 3D printer with desirable characteristics made from recycled polymers

- Investigated current polymer processing methods and compositions to identify hypothesis and expected results
- Engineered polymers with specific properties by modifying processing and composition
- Tested created polymers using the Reprap 3D printer and other materials testing methods to determine properties and performance

COMPUTER/TECHNICAL SKILLS

- Microstructure Analyzation
- Casting
- MATLAB
- Arduino Micro-controller software
- Hardness Testing
- Mathematica
- Cold-Rolling
- UGNX
- MS Office, including Excel

CO-CURRICULAR INVOLVEMENT & LEADERSHIP

- President, Materials United, Michigan Tech University
- Member, Society of Women Engineers, Michigan Tech University
- Mentor, ExCEL Program, Michigan Tech University
- Treasurer, Women's Soccer Club, Michigan Tech University

HONORS/AWARDS

- McArthur Research Internship
- Ted Rozsa Endowed Scholarship
- MTU Presidential Excellence Scholarship
- Dennis & Barbara Staley Endowed Scholarship

WORK EXPERIENCE

Teaching Assistant, Michigan Tech Summer Youth Programs, June 2013 – Aug 2013

Residence Counselor, Michigan Tech Summer Youth Programs, June 2013 – August 2013