

Cullen Patterson

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Education

Bachelor of Science, Composite Materials Engineering (ABET Accredited)
Winona State University, Winona, MN

Excepted May 2022

Experience

PlastiCert, Lewiston, MN

December 2020-Present

Operator/Intern

- Run Injection Molding Press (55 Ton- 500 Ton)
- Clip runners off production parts
- Utilize the Production Part Approval Process (PPAP) to ensure industry standards are met
- Use CMM and Optical Comparator to measure parts
- File Safety Data Sheets (SDS)
- File/Check Press Set-up documents for accuracy
- Inspect production parts for defects such as splay, flash, and fullness of the part
- Create Operator Inspection Criteria (OIC) for new parts and verify OIC during production runs

Hy-Vee, Winona, MN

June 2020-December 2020

Meat Department

- Trained new employees
- Served customers, prepared various foods, stocked case and shelves, cleaned equipment

Icon Constructors LLC, Mabel, MN

June 2019-August 2019

Bridge Laborer

- Constructed and deconstructed forms, poured concrete
- Stripped bridges and prepared them for painting

Leadership and Community Engagement

SAMPE/SPE Club, *President (2021-2022)*

August 2018-Present

Winona State University Welcome Crew

August 2021

- Helped incoming freshman with the move in process

Circle K Club

August 2018-May 2019

- Homecoming Clean-up Crew

Student Council, *President (2017-2018)*

September 2017-June 2018

Computer and Technical Skills

Composite Engineering:

- Operation of Filament Winder
- Process of wet lay-up with vacuum
- Mixing different Epoxy-Resin systems

Computer Software:

- Proficient at Microsoft Office
- Proficient with Mathematica
- Beginning knowledge of SOLIDWORKS

Construction Equipment:

- Torch Cutting Demo Safety Certification (*LiUNA Local 405, December 2019*)
- Operation of a skid loader
- Operation of band saw and wet saw
- Various types of power tools