

# ASHLEY HOWELL

## OBJECTIVE

Seeking an internship opportunity in Mechanical Design Engineering, New Product Development, or related fields to demonstrate my technical ability

## EDUCATION

**Brigham Young University**, Provo, UT

**2019-2025**

Major in Mechanical Engineering

Minors in Mathematics and Design Thinking

GPA: 3.88

## WORK EXPERIENCE

**Manufacturing Co-op**, Herman Miller, Zeeland, MI

**2021 - Present**

Improved production processes to significantly reduce delamination

Tested and analyzed various adhesives for production

Analyzed daily reports to optimize machine usage

Automated and redesigned daily report data collection and evaluation

Aided in design of fixtures to test production part quality

**Lab Assistant**, Brigham Young University, Provo, UT

**2019 - Present**

Trained students on manual mill, manual lathe, and general machine usage

TA for BYU's Mechanical Engineering manufacturing processes course

Advised students about the manufacturing practicality of their designs

Consulted students on FDM and SLA 3D printing

CAD and CAMed projects for CNC machining

**Research Assistant**, Brigham Young University, Provo, UT

**2019 - 2020**

Lab assistant in BYU's Robotics and Dynamics Lab

Conducted research concerning human-robot co-manipulation of extended objects

Focused on the design of human trial aspects of a study

Presented research at the 2020 Utah Conference for Undergraduate Research

**Louie Lab Internship**, University of Utah, Salt Lake City, UT

**Summer 2017**

Conducted research concerning 2D materials

Collaborated to prepare prerequisites for 2D materials

## HONORS AND AWARDS

Brigham Young University Full Academic Scholarship

Brigham Young University Half Academic Scholarship

Sterling Scholar Runner Up for Skilled and Technical Sciences Education

Alta View Hospital Volunteer Scholarship

Regents' Scholarship

## CONTACT ME

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*LINKEDIN:*

<https://tinyurl.com/4udnhzve>

## PROFICIENCIES

### ENGINEERING

Design for X

Design of Experiment

Metal Manufacturing Processes

### 3D MODELING

SolidWorks

Fusion360

Mastercam

### PROGRAMMING

C++

MATLAB

Microsoft Excel

### DESIGN

5 Why's

Ideation

Sketching

### PROTOTYPING

CNC Machining

3D Printing (FDM, SLA)

Manual Machining

Woodworking

### OTHER

Project Management

Training