

# CHASE COTTON

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[Mechanical Engineering Portfolio](#) • [www.linkedin.com/in/chasecotton28](https://www.linkedin.com/in/chasecotton28) • (203) 231-9714 •  
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## EDUCATION:

### **UNIVERSITY OF MAINE, Orono, ME**

August 2023 - Present (Graduating May 2027)

- B.S. Mechanical Engineering (Dean's List 3 Semesters, GPA: 3.68)

Relevant Coursework: Thermodynamics, Fluid Mechanics, Machine and CAD Design

## WORK EXPERIENCE

### **MECHANICAL ENGINEERING INTERNSHIP**

#### **Burt Process Equipment – Hamden, CT**

May 2025 - August 2025

- Designed and documented multiple custom-engineered fluid transfer systems
- Created detailed technical packages (BOMs, System Manuals, Customer Packages)
- Researched replacement machinery to improve manufacturing efficiency
- Applied manufacturing knowledge to CAD design, emphasizing DFM

### **RESEARCH ASSISTANT**

#### **Hydrophobic & Surface Technologies Lab (UMaine)**

March 2025 - Current

- Operated and calibrated research instrumentation
- Collaborated with graduate researchers to design experimental setups
- Gained experience in testing and validation, and documentation

## STUDENT LEADERSHIP INVOLVEMENT

### **BLACK BEAR ROBOTICS**

#### **University Rover Challenge Team**

September 2025 - Current

- Designed rocker bogie drive train for planetary rover using SolidWorks
- Cross-functional collaboration across teams to ensure rocker bogie integration

### **Skunkworks Robotic Mechanical Team**

September 2024 - May 2025

- Designed, manufactured, and assembled T-shirt cannon robot with team
- Completed Mill, Lathe, and Bandsaw shop trainings
- Implemented Metal Machining and Assembly Techniques

## SKILLS

CAD (Solidworks, Inventor)  
Microsoft Suite  
Technical Documentation

Lathe, Mill, Bandsaw  
Google Suite  
DFM

MATLAB  
Excel  
Data Collection