






# Ryan Holcombe

Mechanical Engineer

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 Greensboro, NC

## ■ Experience

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### **Hardware Team Lead - General Dynamics Mission Systems:** **May 2024 – Present**

Lead roughly 7 engineers with the Agile method through Jira  
Delivered Custom Circuit Card Assemblies through design life cycle  
Managed multi-year schedule of procurement and delivery

### **Design Engineer - General Dynamics Mission Systems:** **June 2019 – April 2024**

Implemented new data management, matlab data analysis program, and test planning system  
Established standards of enterprise-wide Product Data Management system change to Windchill  
Bolstered a 100% increase in engineering personnel into a supportive environment  
Lead drafters through my design decisions in a shortened program schedule

### **Undergraduate Researcher- CMS Lab** **September 2017 – May 2019**

Collaborated with engineers of different backgrounds to research and construct humanoid robots  
Utilized CAD software to communicate and present rapid prototyping concepts  
Designed and manufactured 3D printed parts (additive manufacturing)  
Wired layout of ROS enabled servo joints

### **Engineering Project Support- WestRock** **January 2017 – May 2017**

Lead and supported engineering design projects maximizing throughput and efficiency of West Point paper mill  
Created engineering drawings for pipe flow of ferric sulfate line (AutoCAD)  
Lead development of secondary fiber redirect line, preliminary budget, and design  
Managed construction of OSHA standardized bulb crusher room

## ■ Education

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### **MSE in Mechanical Engineering** Active (Dec 2024)

NC State, College of Engineering  
Raleigh, North Carolina

### **BSE in Mechanical Engineering** **May 2019**

Virginia Tech, College of Engineering  
Blacksburg, Virginia

## ■ Skills

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- CAD 3D modeling (SolidWorks, Creo, Inventor, NX)
- 3D printing
- Jira (Agile)
- Enterprise Product Data Management
- Java, Python, Matlab
- Windows Suite (Excel, Visio, Word, PPT)