

# Ryan Blatti

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## SECURITY CLEARENCE

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- Hold Confidential Security Clearance

## CAREER OBJECTIVE

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A dedicated Mechanical Engineering student seeking an entry level Engineering position starting in the spring of 2019. Looking to acquire a challenging position to apply and utilize my work and educational experience in the engineering industry. Desire to obtain more knowledge in design, manufacturing and eager to develop and learn new skills to apply throughout my career.

## EDUCATION

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### UNIVERSITY OF NEW HAMPSHIRE, Durham, NH

*Bachelor of Science in Mechanical Engineering, May 2019*

- **Related courses:** Thermal Systems, Thermodynamics, Fluid Dynamics, Heat Transfer, Machine Design, Systems and Controls, Multidimensional Calculus, Differential Equations, Finite Element Analysis, Design of Experiments.
- **Clubs:** Students for the Exploration and Development of Space (SEDS)

*CENTRAL CATHOLIC HIGH SCHOOL, Lawrence, MA*

## PROFESSIONAL EXPERIENCE

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### RAYTHEON, Andover, MA

*Manufacturing Engineering Intern, May 2018 – present*

- Manufacturing Circuit Cards for Raytheon Products
- Create new Programs on Screen Printer, SPI, Pick and Place, and Oven reflow
- Oven Reflow testing
- Research of surface mount technology line machines
- Tested and Researched Quality of Circuit Cards
- **Raytheon Six Sigma specialist (Green belt equivalent)**

## PROJECTS

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- Senior Design: UNH SEDS - Designing and manufacturing a hybrid engine rocket.
- Arduino: Autonomous remote-control car, Gas fuel flow controller
- SolidWorks: Design analysis and optimization of Wave Energy Converter, Structural beams, Drone Casing, Formula One Pedal System, and more
- Matlab: Data Analysis of engine efficiency, Drag on Airfoil, Wheatstone Bridge, frequency and step responses of an electrical circuit, Brayton and Rankine Cycle efficiency and optimization, Satellite Stabilization.

## ADDITIONAL SKILLS

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- Computer: Proficient in Microsoft Office, SolidWorks, Matlab, Marc, PowerPoint
- Programing Languages: Matlab, Arduino, Simulink, Git
- Exceptional time management, leadership, teamwork and public speaking skills

## EXTRA-CURRICULAR ACTIVITIES

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- Attended SpaceVision 2018 conference
- Volunteering: Catwalk for Cancer, Central Catholic's annual Turkey Drive, North Andover Special Olympics Support
- Hobbies: Golf, Skiing, Boston Sporting events