



# Cullen E. Flynn

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## EDUCATION

**Bachelor of Science in Engineering Physics: Senior, 2.942** Class of May **2024**  
Concentration: Spacecraft Systems | Minors: Astronomy, Applied Mathematics  
**Embry-Riddle Aeronautical University (ERAU)** | 100 credits | Daytona Beach, FL  
**Clarkson University, Aeronautical Engineering** | 36 credits | Potsdam, NY

## RESEARCH

Team Lead | *Senior Design - Laser Optic Communication* | ERAU Aug. 2023 – **Present**  
Circuit Designer | *Microcomp. & Elect. Instrumentation* | ERAU Jan. 2023 – May **2023**  
• With a team of 5, we designed, constructed, presented a testable BalloonSat  
• The BalloonSat had sun tracking, temperature monitoring, and telemetry subsystems.  
Co-Designer | *3-D Bioprinting Lab* | Stanford, CA Jun. 2016 – Aug. **2016**  
• Product analysis and budgeting with faculty at Wu Laboratory  
• Designed a printable scaffold for skeletal regeneration using BioAssemblyBot  
Team Lead | *Electricity & Magnetism Team Design Lab* | Potsdam, NY Jan. 2017 – May **2017**  
• Modeled electric engines using self derived equations in Excel, MATLAB & Simulink

## EMPLOYMENT

**Marketing Operations** May 2017 – Aug. **2019**  
Measured Marketing Lab | Northampton, MA  
**Operations Manager** May. 2022 – Jan. **2023**  
Panorama Motel | Hampton, NY  
**Product Specialist - Sales** Jul. 2020 – Aug. **2021**  
Daytona Hyundai & Gary Yeomans Honda | Daytona Beach, FL

## ACTIVITIES

Risk Management Chair | FIJI | ERAU Aug. 2019 – Dec. **2019**  
Web Development & Profile Manager | Turn Key Blogs | Kalaheo, HI Aug. 2015 – Aug. **2016**  
Cook, Dishwasher | P.F. Changs | Daytona Beach, FL May 2019 – May **2020**  
Treasurer | Clarkson University Squash Club | Potsdam, NY Nov. 2016 – May **2017**  
Study Abroad | Electrical Engineering | Berlin, Germany Jul. 2018 – Aug. **2018**

## SERVICE

Our Lady of Hope | Port Orange, FL  
USO | FIJI | ERAU  
Whitehall Chamber of Commerce | Whitehall, NY

## COURSES

*Statics · Solids · Dynamics · Fluid Dynamics · Spaceflight Dynamics · Space System Engineering  
Space Systems Design I · Machine Shop Lab · Physics I, II, III · Calculus I, II, III · Modern Physics  
Microcomputers and Electronic Instrumentation · Classical Mechanics · Matrix Methods · CATIA (CAD)*

## SKILLS

*Sales · Marketing · Microsoft Office Suite · Excel VBA · C-Suite Presentation · Website Design  
Data Mining & Processing · Modeling · Analytics · Platform Management · SEO · Google Analytics  
Solution Oriented Design · C · Python · MATLAB · Simulink · CATIA (CAD) · SolidWork*

## OBJECTIVE

***Prove to be a high value employee at the intersection of sales and engineering.***