Nathan Teig

(909) 541-3138 | nathanteig1@gmail.com | Binghamton, NY | linkedin.com/in/nathan-teig

EDUCATION

Binghamton University, SUNY, Thomas J. Watson College of Engineering and Applied Science
Bachelor of Science in Mechanical Engineering *Expected May 2026*
Honors and Awards: Provost Scholarship, 1st place Engineering Design Division Arduino Project

TECHNICAL SKILLS

Software: Autodesk Inventor, Fusion 360, SolidWorks, Microsoft Excel, Google Scripts, Fusion CAM
Languages: MATLAB, C++, Arduino
Additional Skills: Design and Prototyping, Manufacturing Processes, Procedural Development, FEA
Interests: Propulsion, Material Properties, Manufacturing, Process Control, Structural and Thermal Analysis

WORK EXPERIENCE

Emerging Technology Studios **Binghamton, NY**
Finance Lead and Technician *August 2024 - Present*

- Manage $100k/year budget split between student salaries and procurement of new tools/machines
- Communicate with manufacturers and suppliers for quotes in adherence to university purchasing guidelines such as evaluation periods, tax exemptions, educational discounts, bulk discounts
- Enhance students' understanding of the constraints inherent in utilized technologies and mentor them in devising tailored solutions to overcome these limitations, promoting hands on learning

Kraus Hamdani Aerospace **Emeryville, CA**
Intern *May 2025 – August 2025*

- Designed and developed underwing pod for Trillium HD40 Camera and tracker system
- Assisted transfer of manufacturing resource planning software to optimize tracking of stock
- Designed and procured tolerance checks for IQC of externally manufactured composites
- Modeled and manufactured aircraft electrical ground system for diagnostic and testing purpose
- Integrated continuity-based harness to IQC checks for 30+ harnesses utilizing PCB design and off-the-shelf hardware to reduce cost, complexity, diagnostic time, and in-flight failures

Evolution Space **NASA Stennis, MS**
Intern *May 2024 – August 2024*

- Developed procedures in accordance with DOD4145.26 including Solid Motor Assembly, Chemical Transfer, Fire Prevention, Solid Motor & Chemical Transportation
- Produced Bill of Materials and Failure mode analysis for refurbished 200 Gallon Planetary Mixer, including recommendations to reduce hazard frequency and severity
- Assisted in refurbishing hardware critical to safe operation of mixing operations.

PROJECT AND LEADERSHIP EXPERIENCE

AeroBing Rocketry Research Group **Binghamton, NY**
Project Lead *September 2022 - Present*

- Lead and coordinate Team consisting of 30 members focused on simulations, manufacturing, motor development, material characterization, and public and university relations.
- Oversee the execution of research initiatives including thermal properties, composite characteristics, adhesive testing, composite manufacturing, and manufacturing methods
- Communicate risk reduction, emergency, and contingency plans to University EHS and Dean’s office for over 15 incident and injury free propellant mixes, liner casts, static fires, charge tests
- Developed and tested over 10 experimental APCP solid motors with impulse ranging from 0.5-25kNs