

# Kevin Sturm

(757)-707-4895 | [kss247@cornell.edu](mailto:kss247@cornell.edu) | [LinkedIn](#) | Yorktown, VA 23692

## EDUCATION

**Cornell University**, College of Engineering, Ithaca, NY  
Bachelor of Science, Mechanical Engineering

**Expected May 2027**  
GPA: 3.995

**Relevant Coursework:** Intro to Aeronautics\*, System Dynamics\*, Fluid Mechanics\*, Mechanics of Engineering Materials\*, Mechatronics\*, Linear Algebra, Intro to Mechanical Design, Dynamics, Statics & Mechanics of Solids, Thermodynamics, Differential Equations, Multivariable Calculus, Electromagnetism, Introduction to Python

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## TECHNICAL EXPERIENCE

**Kinetic Subteam**, Combat Robotics @ Cornell, *Kinetic Subteam Lead*

**Oct 2023-Present**

- Leading a subteam of 8 engineers to design, machine, assemble, and test a 12-pound, high-kinetic-energy combat robot for regional and national competitions
- Developed a timeline for the entire academic year that outlines goals and deadlines on a meeting-to-meeting basis
- Collaborating with subteam co-lead to delegate tasks and responsibilities to ensure completion of two robots simultaneously, including the first full scale subteam revamp in the team's history

**The Walsh Group**, Camp Lejeune, NC, *Project Engineer Intern*

**May 2025-Aug 2025**

- Engaged with HVAC, electrical, and plumbing coordinators and assisted with testing and balancing of the HVAC system; conducted verification testing of the electrical and fire safety systems
- Assisted the Senior Project Manager in overseeing the closeout process of a 180,000 Square Foot building as part of a DoD contract
- Drafted, reviewed, and revised RFIs in order to ensure proper completion of the project
- Participated in Project Leadership Team meetings, Safety meetings, Redzone meetings, and other meetings with NAVFAC on an as-needed basis to assist with project closeout

**NASA**, Hampton, VA, *Research Intern*

**Aug 2022-Jun 2023**

- Modeled and tested a fuselage-shifting mechanism to generate roll through asymmetric lift, exploring its potential as an aileron alternative; employed Open Vehicle Sketch Pad for aircraft modeling and data validation

**Thomas Jefferson National Accelerator Facility**, Newport News, VA, *Physics Research Intern* **Jun 2022-Aug 2022**

- Collaborated with two other interns and a mentor to analyze electron-proton scattering data from the particle accelerator using new and existing Python code
  - Published a Comment invalidating results presented by another researcher; demonstrated the published conclusion was largely due to overfitting the model.
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## LEADERSHIP EXPERIENCE

**Training Chair**, Cornell Triathlon Club

**May 2025-Present**

- Leading weekly intensive training sessions and practices; creating training plans for athletes of all levels to cater to their abilities and individual timelines/races
- Collaborating with four other e-board members to manage funds and ensure smooth coordination of competitions, including the Collegiate Club National Championships

**Test Box Lead**, Combat Robotics @ Cornell

**Jan 2023-May 2025**

- Worked with a team to design, CAD, and build a steel frame box with polycarbonate inserts for testing high-energy robotic weapons

## SPECIALIZED SKILLS

**Technical:** Soldering, Manual Mills, Lathes, Angle Grinders, Hand Tools, Power Tools, Welding, 3-D Printing

**Programs:** Autodesk Fusion360, MatLab, Java, JavaScript, Python, C++, Microsoft Office Ecosystem

**Languages:** English (fluent), Spanish (intermediate)

**Hobbies:** Combat Robotics, Triathlon, Lifting, Camping