

Jason Ribatt

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EDUCATION

Washington University in St. Louis

May 2028

Bachelor of Science, Mechanical Engineering

- **GPA:** 3.7
- **Achievements:** Dean's List
- **Coursework:** Introduction to Mechanical Engineering, Introduction to CAD, Advanced CAD, Introduction to Computer Science, Dynamics, Statics, Circuits, Engineering Math B, Differential Equations, Quantum Physics, General Chemistry, Materials Science, Machine Shop, Engineering Math A, Solid Mechanics

WORK & LEADERSHIP EXPERIENCE

WashU VTOL

Aug 2025 - Present

Team Lead, Mechanical Team - Structures

St. Louis, MO

- As Structures Team Lead, I am responsible for the research, design, and development of a complex unmanned VTOL to compete in The Vertical Flight Society's annual competition.
- Researched nine distinct VTOL designs, modeled their relative stability through SolidWorks FEA stress simulations. Then, created a decision matrix to narrow in on a Hexacopter design.
- Created paper sketches of each component before modeling them in SolidWorks while keeping appropriate tolerances and material properties. Was individually responsible for overseeing, modeling, and managing the creation of the landing gear, drone arm, top and bottom frames, propeller housing, and all mounting points. Was solely responsible for the creation and management of the master assembly of the drone.

Computational Fluid Dynamics Laboratory

Jun 2025 - Present

Research Assistant

St. Louis, MO

- Running an Independent Study to further advance the Washington University Aerospace Design Software's (WUADS) ability to accurately model general aviation aircraft and propeller engines, and run case studies on two specific planes to model the flight of a Cirrus SR22 and an A350.

WashU Recreation

Dec 2024 - Present

Supervisor

St. Louis, MO

- Began as a Referee for a semester, then promoted to a Supervisor. Responsible for the start and completion of intramural games and tournaments. Facilitate training of new referees, facility hosts, and other on-campus employees at the recreation center.

Precision IT

Jun 2025 - Aug 2025

Paid Intern

Boston, MA

- Assisted with on-site hardware troubleshooting. Completed Preventive Maintenance checks on hardware and software for clients. Facilitated a large-scale migration of company data and resources from an older to a newer software and worked to use new integration techniques to make service desks' lives easier in accessing specific client servers and other wireless devices.

WashU Undergraduate Moot Court

Oct 2024 - Present

Co-Founder - Treasurer

St. Louis, MO

- Co-founded and created a campus club competing in the American Moot Court Association. Responsible for planning, obtaining, and managing funding for the group members to attend competitions across the country.

SKILLS, ACTIVITIES & INTERESTS

- **Technical Skills:** Java, C++, MATLAB, SolidWorks, WUDAS (WashU internal CFD), 3D Printing
- **Interests:** Soccer Fan: Tottenham Hotspur, Fan of Formula One, large interest in the Research and Development of cars, Outdoors: enjoy skiing, both resort and backcountry, as well as hiking and backpacking.