

TYSON RUSSELL

ter55@cornell.edu | 208-954-0345 | Boise, ID, 8702 | www.linkedin.com/in/tyson-russell-/

EDUCATION

Cornell University, Sibley School of Mechanical and Aerospace Engineering

Bachelor of Engineering in Mechanical Engineering

Intended Concentration: Renewable Energy

Ithaca, NY

Exp. Graduation: May 2028

Overall GPA: 3.99/4.00

PROFESSIONAL EXPERIENCE

Cornell Outdoor Education

Routesetter, Backpacking Guide, Climbing PE Instructor

Ithaca, NY

October 2024 – Present

- Teach climbing techniques, belaying, and risk management to students; design and set dynamic routes to challenge climbers of all levels
- Lead multi-day backpacking trips and hands-on climbing sessions, fostering teamwork, skill progression, and confidence
- Ensure safety via equipment checks, route testing, and protocols; create engaging movement sequences and tailored competition routes
- Completing training in outdoor leadership, DEI, conflict resolution, and community building to support inclusive outdoor programs

Cornell Engineering

ENGRI 1165 Teaching Fellow

Ithaca, NY

September 2025 – Present

- Facilitate weekly discussion sections for students in *Climate Change and You, the Engineer*, through the National Education Equity Lab
- Mentor Title I high school students, supporting their success in a rigorous Cornell course and expanding access to higher education
- Communicate regularly with classroom teachers to coordinate student progress and ensure alignment with course expectations
- Support course delivery by grading assignments, holding office hours, and assisting with program logistics as needed

Lower East Side Ecology Center

Stewardship Intern

New York, NY

July 2025 – August 2025

- Maintained and watered native planting beds in Tompkins Square Park, supporting biodiversity and ecological restoration efforts
- Assisted with volunteer and stewardship events, engaging school, corporate, and community groups in hands-on park revitalization
- Organized and maintained tools and materials for education and stewardship programs, ensuring safe and efficient operations
- Contributed to environmental education by helping plan and deliver workshops for diverse audiences, including children and adults

IXL Center

Digital Consultant

Ithaca, NY

April 2025 – June 2025

- Developed data-driven growth strategies for a local small business through LISC's digital accelerator program, focusing on scalability
- Conducted in-depth market research including competitor benchmarking and stakeholder interviews to uncover revenue opportunities
- Presented tech-enabled solutions to industry experts and our client, demonstrating analytical and problem-solving capabilities
- Mapped end-to-end customer journeys to identify key pain points and develop targeted experience improvements

Idaho Conservation League

Environmental Activist Volunteer

Boise, ID

August 2021 – May 2024

- Raised \$2K to create interactive climate exhibit, presented it to 150+ attendees, including Jane Fonda, and donated it for permanent use
- Organized community events and wrote 10+ letters to reps, advocating for policy changes and raising environmental awareness
- Delivered 100+ letters to legislators and authored letters to the editor, driving action on key environmental issues
- Engaged academics and community members through educational activities, amplifying awareness of local and global climate stories

LEADERSHIP & EXTRACURRICULAR

Meinig Family Cornell National Scholars

Member

Ithaca, NY

August 2024 – Present

- Selected among top 2% of undergraduates for academic excellence and leadership in school, local, and regional communities
- Recognized for outstanding leadership, academic achievement, and commitment to serving and enriching diverse communities
- Developing leadership, community engagement, and service skills through bi-weekly events and training sessions
- Contributing to a prestigious program that fosters personal growth and prepares scholars for impactful leadership roles

Cornell Rock Climbing Club

Co-PR Chair

Ithaca, NY

August 2024 – Present

- Manage the club's social media to promote competitions, outdoor trips, and community events, increasing visibility and engagement
- Coordinate outreach to expand awareness of the club while supporting its mission of inclusivity and accessibility in climbing
- Compete in the USA Climbing Collegiate Series and train weekly at Lindseth Climbing Center, aiding the club's competitive presence
- Participate in outdoor climbing trips and club events, developing teamwork and helping foster a welcoming climbing community

ACTIVITIES, SKILLS, AWARDS, & INTERESTS

Activities: Brave Wave Surfing Club Co-Founder and President, Green Club, Young Democrats Vice President, National Honor Society, Boise Climbing Team, Service Club, Maintenance, Dishwashing, and Hosting at an Upscale Restaurant

Skills: Certified Management Consulting Analyst, Wilderness First Responder Certified, Working Proficiency in Python, Matlab, Spanish, Data Analysis, Microsoft Office Suite, Public Speaking and Presentation, Team Leadership, Learning SolidWorks and Fusion 360

Awards: BoiseDev Great Student Award, AP Capstone Seminar and Research Certificate, National Merit Finalist, US Presidential Scholars Candidate, Teachers' Choice Award, AP Scholar With Distinction

Interests: Climbing, Skiing, Backpacking, Surfing, Mountain Biking, Environmental Preservation, Rubik's Cubes, Crocheting, Artichokes