

Home Address

908 1st Ave.
Aurora, NE 68818

Caden R. Carlson

Aerospace Engineering, Gore Scholar at Wichita State University
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University Address

7315 E. 34th St. N.
Wichita, KS 67226

EDUCATION**Wichita State University**

Pursuing Bachelor of Science degree in Aerospace Engineering (Minor in Mathematics)

- Awarded both the Gore and Wallace Scholarships for excellence in leadership and engineering
- Relevant Coursework: Digital Computation (MATLAB), Space Dynamics, Flight Structures, Thermodynamics, Aerodynamics, Differential Equations, Engineering Graphics (CATIA V5, GD&T)

Wichita, KS*Class of 2026*

GPA: 3.83/4.00

EXPERIENCE**Carlson CAD**

Owner and Operator

Aurora, NE / Wichita, KS*May 2019 – Present*

- Utilized computer-aided design and additive manufacturing to serve clients across the United States
- Rapidly developed CAD drawings to fit client deadlines
- Created invoices and other administrative documents to organize my business

Wichita State University Athletics Department

Tutor

Wichita, KS*August 2022 – Present*

- Tutored fellow student-athletes at Wichita State University
- Worked with peers as they built confidence in their classwork
- Classes tutored include Physics I & II, College Algebra, and Calculus I & II

Traudt Aerial Service

Aircraft Ground Maintainer

Aurora, NE*May 2024 – August 2024*

- Aided in 100-hour inspections, propeller balances, and oil changes for both piston and turbine engines
- Maintained two workhorse AT-802s, two agile AT-602s, a powerful AT-502XP, and a small but mighty PA-36
- Excelled in the high pace, pit-stop-like environment of mixing and loading chemicals onto aircraft

Grain Weevil Corp.

Engineering Intern

Omaha, NE*January 2022 – August 2023*

- Led development of a proprietary depth camera using Microsoft drivers and C/C++
- Designed, produced, and evaluated prototypes of new robot features
- Pursued company goals in product testing, research, and development through FEA

LEADERSHIP & INVOLVEMENT**Wichita State University Track & Field**

Student-Athlete (Pole Vault)

Wichita, KS*August 2022 – Present*

- 2023 American Athletic Conference (AAC) Track and Field Champion
- Served as a voice for my teammates on the WSU Student-Athlete Advisory Committee (SAAC)
- Worked with student-athletes across the country to better our conference as a member of the AAC SAAC executive board

ACE Mentoring

Mentor

Wichita, KS*June 2023 – May 2024*

- Mentored first-year engineering students as they grew accustomed to the life of a college student

SKILLS

Computer Programming: Proficient in Python, C/C++, and MATLAB – Experience in LabVIEW, JavaScript, and HTML

CAD/Simulation Software: Proficient in CATIA V5 and Fusion 360 – Experience in Creo, NX, and Ansys Simulation

Software Tools: Proficient in Microsoft Word, Microsoft Excel, and GitHub – Experience in Squarespace Domains

Technical: Proficient in forklift operation, power tool use, and agricultural equipment maintenance