

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 (Math Minor)

Wichita, KS

Class of 2026

- ⊆ Relevant Coursework: Digital Computation (MATLAB), Engineering Graphics (CATIA V5), ACT: 35 || GPA: 3.80/4.00
Thermodynamics, Fundamentals of Atmospheric Flight, Mechanics of Materials, Dynamics, Statics

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

Traudt Aerial Service

Aircraft Ground Maintainer

Aurora, NE

May 2024 – PRESENT

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

Wichita State University Athletics Department

Tutor

Wichita, KS

August 2022 – PRESENT

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

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 Track and Field Champion
- ⊆ Served as a voice for my peers on both the WSU and AAC Student-Athlete Advisory Committees

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

Future Business Leaders of America (FBLA)

State Vice-President

Aurora, NE

April 2020 – April 2022

- ⊆ Won accolades at the National Conference: 6th in Sales Presentation

SKILLS

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

CAD Software: Proficient in CATIA V5, Autodesk Fusion 360, Formlabs Suite, and CURA – Experience in Blender

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

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