

Home Address

908 1st Ave.
Aurora, NE 68818

Caden R. Carlson

Aerospace Engineering Student 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)

- ∈ Digital Computation (MATLAB), Engineering Graphics (CATIA V5), Thermodynamics, Fundamentals of Atmospheric Flight, Mechanics of Materials, Dynamics, Statics

Wichita, KS

Class of 2026

ACT: 35 || GPA: 3.8/4.00

EXPERIENCE

Carlson CAD*Owner and Operator*

- ∈ 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 in order to organize my business

Aurora, NE / Wichita, KS*May 2019 – PRESENT***Wichita State University Athletics Department***Tutor*

- ∈ 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

Wichita, KS*August 2022 – PRESENT***Grain Weevil Corp.***Engineering Intern*

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

Omaha, NE*January 2022 – August 2023***LEAAD Farms***Farm Hand*

- ∈ Strived to create a profitable, safe work environment while maintaining heavy equipment

Marquette, NE*May 2021 – August 2021***LEADERSHIP & INVOLVEMENT**

Wichita State University Track & Field*Student-Athlete (Pole Vault)*

- ∈ Competed at the 2023 Indoor and Outdoor American Athletic Conference meets
- ∈ Served as a voice for my peers on the WSU Student-Athlete Advisory Committee

Wichita, KS*August 2022 – PRESENT***Formula SAE***Member*

- ∈ Worked on the Aerodynamics team conducting finite element analysis and design of control surfaces

Wichita, KS*August 2023 – PRESENT***ACE Mentoring***Mentor*

- ∈ Mentored freshmen engineering students as they grew accustomed to the life of a college student.

Wichita, KS*June 2023 – PRESENT***Future Business Leaders of America (FBLA)***State Vice-President*

- ∈ Won accolades at the National Conference: 6th in Sales Presentation (2021)

Aurora, NE*April 2021 – April 2022***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:** Proficient in Microsoft Office Suite including daily use of Excel – Experience in Google Domains and Git/GitHub