

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: 3.76/4.00

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

Caden Carlson 2023