

## Home Address

908 1<sup>st</sup> Ave.  
Aurora, NE 68818

# Caden R. Carlson

Aerospace Engineering, Gore Scholar at Wichita State University  
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## University Address

7315 E. 34<sup>th</sup> St. N.  
Wichita, KS 67226

## EDUCATION

### Wichita State University

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

**Wichita, KS**

*Class of 2026*

- ⊆ Awarded both the Gore and Wallace Scholarships for excellency in leadership and engineering ACT: 35 || GPA: 3.83/4.00
- ⊆ Relevant Coursework: Digital Computation (MATLAB), Dynamics, Statics, Thermodynamics, Fundamentals of Atmospheric Flight, Mechanics of Materials, Engineering Graphics (CATIA V5, GD&T)

## EXPERIENCE

### Carlson CAD

**Aurora, NE / Wichita, KS**

*Owner and Operator*

*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

**Wichita, KS**

*Tutor*

*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

### Traudt Aerial Service

**Aurora, NE**

*Aircraft Ground Maintainer*

*May 2024 – August 2024*

- ⊆ Aided in 100-hour inspections, oil changes for both piston and turbine engines, and propeller balances
- ⊆ 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.

**Omaha, NE**

*Engineering Intern*

*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

**Wichita, KS**

*Student-Athlete (Pole Vault)*

*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

**Wichita, KS**

*Mentor*

*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)

**Aurora, NE**

*State Vice-President*

*April 2020 – April 2022*

- ⊆ Won accolades at the National Conference: 6<sup>th</sup> 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 agricultural equipment maintenance