

# Zach Starman

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## Education

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|---------------------------------------|----------|
| The University of Iowa, Iowa City, IA | May 2022 |
| ❖ College of Engineering Direct Admit |          |
| ➤ Mechanical Engineering BSE          |          |
| ➤ Cumulative GPA: 3.99                |          |
| ❖ University Honors Program           | May 2022 |
- Engineering Courses:
- ❖ Statics, Thermodynamics, Circuits, Dynamics, Mechanics of Deformable Bodies, Fluid Mechanics, Mechanical Engineering Design, Manufacturing Processes
- Study Abroad Experience: CIMBA Italy
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|  | June 2019 |
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- ❖ A study abroad session lasting four weeks in Paderno del Grappa, Italy
  - ❖ Created meaningful global connections with students and faculty from other institutions

## Skills

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- Programming Languages
- ❖ C++, Python, MATLAB, HTML
- CAD Software and 3D Modeling
- ❖ Creo Parametric, ANSYS Workbench

## Activities

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| Small Jazz Ensemble, University of Iowa                   | Fall 2018-Spring 2019 |
| ❖ Guitar player for the Undergraduate Workshop Jazz Combo |                       |
- Iowa Formula Racing, University of Iowa, Iowa City
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|  | Winter 2018-Present |
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- ❖ Drivetrain Subsystem Lead
  - ❖ A competing student organization at International FSAE events
  - ❖ Designing the 2020 competition car's powertrain and cooling systems

## Work Experience

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|---|--------------------|
| Teaching Assistant, Mechanics of Deformable Bodies (Mechanics of Materials) | April 2016-Present |
| ❖ Leads a weekly meeting that discusses current course material             |                    |
| ❖ Grades exams and quizzes through the semester                             |                    |
- Student Intern, Stanley Consultants
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|  | Summer 2020 |
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- ❖ Worked in the Energy and Power Engineering
  - ❖ Learned and utilize Trane Trace 700 Professional Software
- Private Tutor
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|  | October 2019-Present |
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- ❖ Private Tutoring services for chemistry, math, and fundamental engineering courses