

Colton Stauffer

Ames, IA 50014 | 309-883-5557 | cstauff7567@gmail.com | [linkedin.com/in/colton-stauffer/](https://www.linkedin.com/in/colton-stauffer/)

Professional Summary

Mechanical Engineering student with 1.5+ years of hands-on additive manufacturing experience and a track record of scaling production operations. At Danfoss, supported 974 orders, 11,000+ parts, and 1.25 million+ cm³ of printed material. Skilled in Design for Additive Manufacturing (DFAM), production planning, and multiple AM technologies (FDM, SLA, SLS, composites, and metal). Seeking a summer mechanical engineering internship to apply technical and leadership experience in a manufacturing or product development environment.

Education

Iowa State University, – *B.S. in Mechanical Engineering* (In Progress) | GPA 3.11 | Boxing Club

DMACC (2025) – *A.S. in Engineering* | GPA: 3.86 | Dean's List | *Phi Theta Kappa Honor Society*

Massachusetts Institute of Technology (2024)– *Additive Manufacturing for Innovative Design and Production Certificate*

Experience

Additive Engineering Intern | *Danfoss* | Ames, IA | March 2025 – Present

- Specialized in Design for Additive Manufacturing (DFAM)
- Supported engineering, manufacturing, sales, and quality teams.
- Helped triple the Ames Additive Manufacturing Lab FDM capacity
- Helped fulfill 974 orders producing 11,000+ parts and 1.25 million+ cm³ of printed material
- Designed engineering models used in multi-million-dollar sales opportunities
- Led in-house redesign of a purchased consumable, achieving approximately \$10,000 in annual cost savings
- Trained incoming interns on DFAM best practices, machine selection, and material optimization
- Operated 13 additive systems across FDM, SLA, SLS, continuous fiber, and metal technologies
- Utilized Netfabb, Siemens NX, Autodesk Inventor, and Creaform scanning tools.

Founder | *GreenScale3D.com* | January 2022 – Present

- Built and operated a 3D printing product business
- Grew revenue from \$0 to \$40,000
- Designed, manufactured, and shipped over 2,000 units

Landscape Technician | *Williamson Brothers Landscaping and Masonry* | May 2022 – August 2024

- Performed measurements and calculations
 - Supported design and operation of large-scale landscaping projects
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Technical Skills

Additive Manufacturing: DFAM, FDM, SLA, SLS, Continuous Fiber, Metal AM

Software: Siemens NX, Autodesk Inventor, Netfabb, Creaform

Other: Production planning, process improvement, cross-functional collaboration, root-cause analysis

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