

# Brockton Gregersen

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## Education

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**Brigham Young University** – Ira A. Fulton College of Engineering Provo, UT  
*Bachelor of Science in Mechanical Engineering, Minor in Computer Science* Dec 2026  
GPA: 3.9 / 4.0

## Relevant Coursework

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- Design of Mechatronic Systems
- Dynamic System Modeling
- Mechanical System Design
- Fluid Mechanics
- Computer Aided Design
- Advanced Software Development
- Algorithm Design and Analysis
- Manufacturing Processes

## Skills

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### Computer Aided Design

- Proficiency in SolidWorks, Onshape
- Familiarity with GD&T

### Computer Programming

- Advanced level in Python, Java
- Intermediate level in MATLAB, C++

## Projects & Clubs

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- **Chess Client and Server:** Implemented a client-server architecture for an interactive chess game in Java. Applied test-driven development and utilized Git for version control. (*Advanced Software Development Class, Jun – Aug 2024*)
- **Composite RC Model Plane:** Designed fuselage of plane for laser cutting and vacuum-coated wings with composite materials. (*BYU Aeronautics Club, Jan – Apr 2023*)
- **Antweight RC Robot:** Designed and 3D printed a chassis for a small remote-controlled robot. Integrated and assembled electronics for functionality. (*BYU Combat Robotics, Sept – Dec 2023*)

## Leadership & Service

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- **Volunteer Representative, The Church of Jesus Christ of Latter-day Saints:** Trained groups of 6-8 other volunteers weekly on teaching skills. (*Miami, Florida, Nov 2020 – Oct 2022*)

## Awards & Interests

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- Eagle Scout, Boy Scouts of America
- Familiarity with FDM 3D printing
- Fluent in Haitian Creole