

Brockton Gregersen

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Education

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

- 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

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

Chess Client and Server Jun – Aug 2024
Advanced Software Development Class

- Implemented a client-server architecture for an interactive chess game in Java
- Applied test-driven development to ensure consistent and reliable game functionality
- Utilized Git version control to manage revisions and project organization

Antweight Radio Controlled Robot Sept – Dec 2023
Team Member – BYU Combat Robotics

- Designed and 3D printed chassis for a small remote-controlled robot
- Integrated and assembled electronics for functionality

Composite RC Model Plane Jan – Apr 2023
Team Member – BYU Aeronautics Club

- Designed fuselage of plane for laser cutting
- Vacuum coated wings with composite materials

Leadership & Service

The Church of Jesus Christ of Latter-day Saints Miami, Florida
Volunteer Representative Nov 2020 – Oct 2022

- Trained groups of 6-8 other volunteers weekly on teaching skills.

Awards & Interests

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