Devin Joseph Morrow

269-369-6365 • djmorrow@umich.edu • 1982 Traver Road, Ann Arbor, MI 48105

Education

University of Michigan, Ann Arbor, MI -- Expected Graduation: April 2018
Bachelor of Science in Engineering in Aerospace Engineering
Major GPA 3.74/4.0; Overall GPA 3.48/4.0

Notable Memberships:
- American Institute of Aeronautics and Astronautics Student Member

Honors:
- Dean's List (2 semesters), University Honors (3 semesters)
- Michigan High School Athletic Association Scholar Athlete Award Recipient
- University of Michigan Club of Michiana Scholarship Recipient
- Jenny Phillips Scholarship Recipient

Skills

- Relevant Coursework: Aerodynamics, Static and Dynamic Structures, Fluid Dynamics, Rocket and Jet Propulsion, Aircraft Dynamics and Control, Orbital Mechanics, Systems Engineering, Circuits.
- Software skills: MATLAB, CATIA, Star CCM, Solidworks, XFoil, AVL, LabView
- Programming Language Experience: C++, Python, HTML, CSS
- Operating Systems: Windows, macOS, Linux
- Circuit analysis with industry standard instruments: Digital Multimeter, Function Generator, Oscilloscope
- Microsoft Office: Word, Excel (advanced)

Related Experience

MACH, **Chief Engineer: Michigan AIAA-Design Build Fly Team**, Ann Arbor, MI (2017-Current)
- Responsible for overseeing and advising the complete design and manufacturing of the team's competition aircraft.
- Organize and run design meetings, conduct trade studies, perform and analyze computer simulations and physical tests.
- Gain leadership skills and experience applying systems engineering principals to a real-world project.

MACH, **Propulsion Lead: Michigan AIAA-Design Build Fly Team**, Ann Arbor, MI (2016-17)
- Responsible for leading a group of students in selecting a propulsion system for an aircraft.
- Conducted simulations and analyzed results to compare theoretical calculations with physical data.
- Gained experience in a range of aerospace applications including CAD modeling with Solidworks and conducting simulations using MATLAB.

CAEN, **Applications Support Technician**, Ann Arbor, MI (Summer 2017)
- Conducted software tests and performance analysis for the Computer Aided Engineering Network (CAEN) at the University of Michigan College of Engineering.
- Tested over 300 different engineering software applications on both Windows and Linux operating systems.
- Was awarded CAEN Student Employee of the month for August 2017.

AE 205, **Hovercraft Design Project**, Ann Arbor, MI (2016)
- Part of a student team tasked with designing, constructing, and testing a remote-controlled hovercraft.
- Created CAD models in CATIA; ran CFD simulations using Star CCM; Programmed Arduino microcontroller.
- Team placed 1st in the final competition and still holds the record for the fastest craft four semesters later.

Other Experience

Website Design, **Class Project** & **State Qualifying Website Design Team**
- Used HTML5 and CSS as well as University of Michigan API to create course scheduling website for class project.
- Member of high school website design team that won first place in the region and qualified for state competition.

Administrative Office Assistant, **University of Michigan Department of Aerospace Engineering,** Ann Arbor, MI (May-June 2015)
- Responsible for completing common administrative tasks that included sorting mail, creating documentation, filing paperwork, cleaning the conference room etc.