

# John Martin

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**Project Portfolio:** [Portfolium.com/jmartin01](https://www.portfolium.com/jmartin01)

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## Education

California Polytechnic State University – San Luis Obispo (Cal Poly)  
Bachelor of Science in **Aerospace Engineering**, December 20xx  
GPA: 3.08                                  Class Level: Junior

### Relevant Coursework:

Experimental Aerodynamics, Experimental Aerothermodynamics, Aerodynamics and Flight Performance, Supersonic/Hypersonic Aerodynamics, Stability and Controls of Aerospace Vehicles, Guidance and Controls, Aerothermodynamics I, II, & III, Aerospace Structural Analysis I & II, Aerospace Engineering Analysis, Technical Writing for Engineers

## Aerospace Engineering Experience

**Society of Automotive Engineers Formula Aerodynamics Design Team**                                  Fall 20xx - Present

- Collaborating with another student to design a front wing and select an airfoil section for the Cal Poly Formula car using aerodynamics knowledge and MATLAB optimization codes
- Working in a team of four to construct a scale model of the Formula car with spinning wheels for wind tunnel testing
- Assisting in constructing prototype versions of the upper and lower rear wing
- Will be on teams that work on construction of the final versions of the front and rear wing, wind tunnel testing of the scale model, and CFD analysis on the Formula car

**Aircraft Design Class**    Spring 20xx

- Collaborated on a five-person team to design a STOL intra-theater transport for an actual military RFP
- Researched and designed aerodynamics for the aircraft including wing shape, airfoil section, and tail design to comply with the RFP
- Researched and completed calculations for the weights and balances of the aircraft
- Helped compile an 80-page report detailing the design of the aircraft, as well as participated in a 20-minute presentation about the aircraft

**XFOIL Validity Project**    Fall 20xx

- Completed an individual project comparing the validity of the program XFOIL versus Thin Airfoil Theory and experimental data from Theory of Wing Sections
- Wrote a technical report detailing the results of the calculations and recommendations on when XFOIL was adequate and when it wasn't

## Skills

**Computer:** MATLAB 7, XFOIL, Microsoft Word, Excel, PowerPoint

**Language:** Conversational French

## Leadership / Involvement

**Public Relations Officer**, American Institute of Aeronautics and Astronautics (AIAA) Fall 20xx - Present

- Increasing membership of all majors in the club through email, posters, and word of mouth
- Attend weekly board meetings to brainstorm fundraising, field trip, and general meeting ideas

**Sigma Gamma Tau**, Aerospace Engineering Honors Society    Spring 20xx - Present

- Volunteer: Clean-up Day at Educational Flight Range, Cuesta College  
Cal Poly Intramural Flag Football

## Work Experience

**Sunol Valley Golf Course – Sunol, CA**

**Banquet Set Up, Banquet Crew Chief, Banquet Server, Maintenance**                                  Summers 20xx – Present

- Enhanced customer service, communications, time management, teamwork, and leadership skills