Max Geissbuhler

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EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY; Atlanta, GA   **Aug 2016 – May 2020**
Bachelor of Science in Aerospace Engineering
Aerospace Engineering Honor's Program
Cumulative GPA: 3.63
95 credits completed as of January 1, 2019
Education Abroad:
GEORGIA TECH LORRAINE; Metz, France   **Aug 2017 – December 2017**
UNIVERSITY OF LIMERICK; Limerick, Ireland   **May 2018 – July 2018**

WORK EXPERIENCE

Freund Andrus, Royal Oak, MI   **May 2016 – Aug 2017**
Project Management Intern
- Gained knowledge of complete project management by working with project managers and meeting with clientele
- Developed and presented CAD renderings of various buildings to clients

Selected Project Experience:
Project Management
- Co-managed 34 subcontractors for projects across Michigan, with project values from $50,000 to $22 million
- Regularly spent time in the field to oversee construction and communicate with the construction superintendent
  - Used a drone to ensure that the structures were being constructed as designed, as well as to show progress to clients

CAD rendering
- Completed renderings of various exteriors and interiors of buildings, ranging from 2,500 to 7,000 square feet
- Presented renderings weekly with new and existing clients of Freund Andrus to show progress of projects

Leadership
- Led and participated in conferences multiple times weekly with other professionals, as well as with current and potential clients
- Developed my ability to lead through conferences and through pitching our work product to companies considering our services

RESEARCH / PROJECTS

Computational Fluid Dynamics on Subsonic and Transonic Airfoils   **April 2018 – Present**
- Using ANSYS Fluent CFD, I analyzed several airfoils at various conditions to create and refine a wholistic approach to CFD, encompassing geometry & model generation, meshing, and calculation setup.
- During the first semester, I applied this method to 2-dimensional calculations. Currently, I am adapting this process to be applied to 3-dimensional fluid calculations over finite wings.

Jet Engine Design Project   **May 2018 – July 2018**
- My team and I were given a set of constraints and a thrust requirement, which were used to create and optimize a turbofan engine.
- I was responsible for optimizing the individual components of the engine to minimize the overall weight of the engine.

ACTIVITIES

Delta Upsilon Fraternity   **Aug 2016 – Present**
Member
- Represented 25 other members during internal justice board hearings.
- Raised $3000 personally out of $50,000 fraternity-wide for the St. Baldrick's Foundation over the past three years.

Georgia Tech Investment Committee   **Sep 2018 – Present**
General Member
- Worked with other members and analysts to manage a portfolio worth roughly $1.2 million.
- Met weekly to pitch new securities, review existing positions, and learn new investing techniques.

SKILLS / INTERESTS

PROGRAMMING LANGUAGES: Java, Python, MATLAB, HTML
PROGRAMS: SolidWorks, ANSYS Fluent CFD, AVL, XFOIL, X-Plane, Prepar3D, Microsoft Office
INTERESTS: Flight Simulation, Skiing, Flying, Entrepreneurship, Cycling, Investing