

ROBIN BOUDARD

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OBJECTIVE

Looking for an internship or co-op position within the Engineering Industry starting in the Fall of 2019.

EDUCATION

Georgia Institute of Technology, Atlanta, GA
Bachelor of Science in Aerospace Engineering, August 2017 – Present
Senior (4th Year) - GPA: 3.92
Faculty Honors (2018 – Present)

EXPERIENCE

Electro-Technical Engineer, Summer 2016

Siemens, Tucker, GA

German Industrial Manufacturing Company

Internship at Siemens plant focused on testing circuit breakers.

- Recorded temperature data for inhouse generator using thermal camera.
- Utilized Excel to plot and analyze trends in temperature fluctuations with three years of data.
- Used fischerscope to determine element concentration of certain metal alloys.
- Participated in product testing (overload/failure tests).

Performance Engineering Co-Op, August 2019 – Present

Delta Air Lines, Atlanta, GA

- Performed audits at US based airports, observing pilot and ground crew performance.
- Created and refined VBA and Python process to analyze APU (Auxiliary Power Unit) usage in order to implement regulation to reduce fuel usage.
- Created database-centered process to efficiently store and analyze bag weights using SQL in MS Access.
- Regularly performed payload analysis to set weight cap restrictions on all Delta Connection flights.
- Performed Ad-Hoc payload analysis for varying airports conducting construction projects.

SKILLS

Software: Windows and MacOS. Microsoft Office Suite. SolidWorks, OpenRocket, AVL, and X-Foil software.

Programming: SQL (Beginner), MATLAB (Intermediate), VPython (Intermediate), Java (Intermediate), Python (Advanced)

Languages: English and French (Fluent). Spanish (Conversational).

Laboratory: Mass spectrometer, thermal (infrared) camera, fischerscope x-ray, circuits, and soldering.

ACTIVITIES & HONORS

Georgia Tech Club Ultimate Frisbee Team, Captain, 2017 – Present

Science Olympiad, Captain, 2015- 2017

Math Club, Member, 2013-2017

High School Varsity Ultimate Frisbee Team, Captain, 2013-2017

Zell-Miller Scholarship, Recipient, 2017 - Present

Male Scholar Athlete Award, Recipient, 2017

PROJECTS

Model Rocket (2017)

- Used OpenRocket to model rocket trajectory to reach desired apogee while reducing vibrations to keep payload safe.
- Modified existing model rocket to resemble computer model and performed several launches.

Balsa Wood Glider, (2017-2018)

- Designed, built, and tested 4 balsa wood gliders.
- Used X-Foil to determine best airfoil shape at desired glider airspeed.
- Followed varying mission specifications including maximizing hang-time and maximizing distance travelled.