

DYLLON PRESTON

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Chappaqua, NY

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OBJECTIVE

Ambitious, proactive and future-focused student seeking a challenging position at the intersection between cutting edge aerospace technology, computer science, and corporate communication.

EXPERIENCE

July 2020

Fellow • Goldman Sachs/Upperline Code • New York, NY

Participant in Upperline Code's FinTech Focus program as a Fellow at Goldman Sachs, hosted, sponsored, and mentored by Bank of America, Goldman Sachs, JPMorgan Chase, Morgan Stanley, and Wells Fargo

- Designed full-stack web apps utilizing a Python and MongoDB back end, with an HTML, JavaScript, Bootstrap front end, powered by Heroku and Flask.

June 2020 – July 2020

Public Relations Intern • Breakaway Communications • New York, NY

Intern at full-service technology public relations and marketing communications firm, Breakaway Communications

- Monitored coverage, researched industry trends for clients, and compiled reports.
- Worked on Xilinx account: flexible and adaptive processing platforms; inventor of FPGA, programmable SoCs, and the ACAP, as well as producer of a suite of advanced software.
- Worked on Neurored account: digitizing global supply chain and transportation management systems for more resilient transparent supply chains in Global Trade and Logistics.

September 2017 – December 2019

Independent Researcher • Princeton Satellite Systems • Chappaqua, NY

Conducted a 3-year research project on a novel approach for computational analysis of fusion rockets incorporating over 32 different parameters as part of mentorship with Princeton Satellite Systems. Presented results at competitive events.

- Self-started, organized, and led a goal-driven research project. Acquired research materials, designed procedure, and methodology, as well as analyzed data and formulated results.
- Networked and secured a mentorship with Princeton Satellite Systems Vice President.

PROJECT AND LEADERSHIP

August 2020 - Present

Simulations Member • Experimental Rocketry Club

Simulations team member of Georgia Tech's experimental rocketry club. Worked to generate optimal and concrete measurements to dictate high-level rocket design.

- Modified MIT's Project Jupiter's RocketPy for multistage solidstate rocket simulation/graphing.
- Coded an optimizer to iterate through thousands of different potential rockets.

July 2020

Website Designer • Spotify Soulmates

As part of Upperline's program, worked as a team to design and code a dating webapp using the Spotify API, creating an algorithm to match users based on songs, genres, and artists.

- Using MongoDB, created a databank of user info, encrypting passwords and all other data.

September 2017 – February 2018

Startup Competitor Team Leader • Bedford 2020 Greenlight Challenge

Team leader of product development. Designed a product (the Waterband) to reduce water wastage and detect leaks as part of a local environmental competition. Team participated in the finalist phase.

- Built Waterband tool to measure water flow rate through pipe vibrations using an Arduino Uno and accelerometer.
- Led demonstration of prototype for judging rounds.
- As group leader, coded, designed, networked, and researched patent possibilities.

EDUCATION

Georgia Institute of Technology
Atlanta, Georgia

Major: Aerospace Engineering

GPA: 4.0

Credit Hours: 64/132

KEY SKILLS

- PYTHON, MATLAB, JAVA, HTML, FLASK, JAVASCRIPT, MONGODB
- MICROSOFT OFFICE SUITE
- CAD, SOLIDWORKS

COMMUNICATION

- GROUP COMMUNICATION AND LEADERSHIP
- VIRTUAL COMMUNICATION
- TECHNICAL COMMUNICATION TO A NONTECHNICAL AUDIENCE

ATTRIBUTES

- UNWAVERING WORK ETHIC
- EXCELLENT PROBLEM SOLVING AND CRITICAL THINKING
- HIGHLY ORGANIZED AND SELF MANAGED

AWARDS

- FACULTY HONORS
- NATIONAL AP SCHOLAR
- HIGH SCHOOL SUMMA CUM LAUDE
- NATIONAL MERIT COMMENDED

