



# BENJAMIN R. DAGHIR

## STUDENT | ATLANTA, GA

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### SUMMARY

I have proven to be a forward-thinking leader who can undertake long-term projects and successfully execute them with a team of diverse individuals. My research experience and ability to effectively self-teach new information has drastically impacted my ability to explore and solve new and complex problem spaces. I expect my work experience to also be a learning experience.

### PROJECTS, RESEARCH, AND SKILLS

- **Rotorcraft Computational Simulator:** I am currently building a rotorcraft comp. sim. that will eventually run machine learning algorithms to better land rotorcraft on moving aircraft carriers experiencing stochastic winds and waves.
- **Grand Challenges:** My team has submitted a proposal to conduct research in the Materials Science department during the 2017 Fall semester. I am currently exploring and designing the insulation properties of special paints for low-income households.
- **Eagle Scout:** I renovated a high school baseball field to improve drainage and decrease rain damage.
- **Other Skills:** Proficient in MatLab, Java, JavaScript, HTML, CSS, Autodesk AutoCAD®, Adobe Products, Microsoft Office, XYZware®, custom 3d-modeling and additive manufacturing, soldering.

### EDUCATION

#### Georgia Institute of Technology School of Aerospace Engineering

2016 – Current

GPA: 4.000 / 4.000

Completed Credit Hours: 47 / 132

Honors:

- Earned *Faculty Honors* for the first year
- Member of the *National Society of Collegiate Scholars*

#### Saint Mark's High School

#### Four Year College Preparatory High School

2012 – 2016

GPA: 4.000 / 4.768 (unweighted / weighted)

Honors:

- Ronald R. Russo Jr. Memorial Award: The top Senior in Academic Excellence
- St. Francis de Sales award: The highest honor awarded by the Archdiocese of Wilmington.

### EMPLOYMENT

#### Facilities and Maintenance

#### Avon Grove Charter School

West Grove, PA

Jun 2017 – Aug 2017

The responsibilities of this job included logistical planning, facility repair and renovation, moving furniture, and painting.

Work Hours: 40+ hours per week

Reference: Jason Knox – jknox@agcharter.org  
(Facilities Manager)

#### Usher/Operator

#### Wilmington Blue Rocks Minor League Baseball

Wilmington, DE

Jun 2016 – Aug 2017

I worked as an usher and operator in the children's amusement section of the stadium for every home game.

Work Hours: 12 – 21 hours per week

Reference: Andrew Layman - layman@bluerocks.com  
(Assistant General Manager)