

# Joshua Ethan Kuperman

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## EDUCATION

**Georgia Institute of Technology, Daniel Guggenheim School of Aerospace Engineering** Expected May 2021  
*Bachelor of Science in Aerospace Engineering* Atlanta, GA

**Georgia Institute of Technology, School of Computer Science** Expected May 2021  
*Minor in Computer Science*

- **GPA:** 3.9 / 4.0

**Roslyn High School**

**Sept 2013-June 2017**

**Honors:** AP Scholar with Honor | **ACT:** 35 | **GPA:** 4.0/4.0

Roslyn, NY

## SKILLS

**Engineering-** Flight Dynamics, Robotics, Design Processes

**Programming/Modeling-** Java, Python, MATLAB, SolidWorks, Inventor,

**Communication-** Presentations, Research Papers

- **Language-** Conversational in Russian and Spanish

**Music-** Piano, Trumpet, Guitar

**Athletics-** Volleyball

## PROJECTS

**Science Olympiad Robot Arm** Sept 2015 – May 2017

- Built using Vex Robotics parts and Bluetooth controller, programmed to move in all directions fluidly
- Objective was to transport and flip pennies onto target area in limited amount of time
- Won 5<sup>th</sup> place regional competition

**Yellow Jacket Space Program Table for Filament Winder**

- Used SolidWorks to model based on specifications provided by overseers that changed frequently
- Compiled bill of materials, constructed using power tools and given materials
- Prevented further damage of filament winder due to its previous location on floor of common area

## EXPERIENCE

**Thyme Restaurant- Chef** Jan 2017 - Aug 2017

- Mastered and implemented numerous food preparing techniques Roslyn Heights, NY
- Led and/or assisted in the creation of ingredients and final products given to consumers
- Communicated with customers, peers, and management resulting in higher efficiency and profits

## LEADERSHIP

**Delta Sigma Phi Fraternity- Alumni Relations Chair** Oct 2017-Present

- Management and up-keeping of fraternity alumni database; coordinated with fraternity secretary
- Frequent communication with active fraternity alumni in order to increase donation rates

**Roslyn Marching Band- Trumpet Section Leader** 2016-2017

- Taught music theory and performance and ensured music was memorized for competition
- Created drills; aided in set-development with drum majors and band director; coordinated sectional logistics

**Roslyn Astronomy Club- Treasurer** 2016-2017

- Managed organization's funds resulting in more events with less funds necessary
- Organized events and fundraisers resulting in higher club funding, recruitment, and attendance