

## EDUCATION

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| <b>Columbia University, The Fu Foundation School of Engineering and Applied Science</b><br><i>Bachelor of Science, Mechanical Engineering</i><br>Cumulative GPA: 4.03/4.0<br>Relevant Courses: Computer Graphics and Design - Solidworks, Intro to Electrical Engineering, Robotics Studio | <b>New York, NY</b><br>May 2024 |
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## WORK EXPERIENCE

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| <b>Terabase Energy, Mechanical Engineering Intern</b>  | May 2022 – Aug 2022 |
| <ul style="list-style-type: none"><li>Designed and assembled a mobile, easy access solar panel storage rack for field deployment of fragile panels</li><li>Collaborated with a team on a vehicle for solar panel transportation and installation</li></ul> |                     |

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| <b>Josh Gottheimer for Congress, Intern</b>   | Jun 2020 – Aug 2020 |
| <ul style="list-style-type: none"><li>Phone banked, researched campaign strategies, voter information, and voting logistics</li></ul> |                     |

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| <b>Manhattan Borough President's Office, Intern</b>  | Jul 2019 – Aug 2019 |
| <ul style="list-style-type: none"><li>Wrote meeting reports, managed surveys, and communicated with the NYPD for district events</li></ul> |                     |

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| <b>Camp Chewonki, Counselor in Training</b>  | Jun 2019 – Jul 2019 |
| <ul style="list-style-type: none"><li>Learned to lead campers at camp and in the wilderness, trained in Wilderness First Aid</li></ul> |                     |

## LEADERSHIP & COMMUNITY INVOLVEMENT

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| <b>Columbia Space Initiative - Rockets, Avionics Team Co-Lead and Recovery Group Lead</b>  | Sep 2020 – Present |
| <ul style="list-style-type: none"><li>Work on a team to research, design, and build a rocket to reach 10,000 ft with a payload</li><li>Lead design and manufacturing of the electronic components of the rocket with a 6-person team</li><li>Design and construct the mechanism for the ejection of the rocket nose cone and dual parachute deployment</li></ul> |                    |

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| <b>Engineers Without Borders – Columbia University Chapter, Treasurer and Piping Team Lead</b>   | Sep 2020 – Present |
| <ul style="list-style-type: none"><li>Work on a team to research, design, source material for, and plan the construction of a water distribution system in rural Morocco</li><li>Manage and allocate \$15,000 budget.</li><li>Lead team designing and planning implementation of 4 km of piping and water access points.</li></ul> |                    |

## ENGINEERING DESIGN PROJECTS

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| <b>Golem – Bipedal Walking Robot</b>   | Jan 2022 – May 2022 |
| <ul style="list-style-type: none"><li>Designed bipedal walking robot using Solidworks and sketching</li><li>Manufactured robot with 3D printing, screw inserts, and soldering</li><li>Programmed and tested robot's bipedal walking using Raspberry Pi</li></ul> |                     |

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| <b>Art of Engineering Project</b>  | Sep 2020 – Dec 2020 |
| <ul style="list-style-type: none"><li>Designed, coded, and built a Simon Says game using limited parts</li></ul> |                     |

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| <b>Mechanical Engineering Project</b>   | Dec 2020 |
| <ul style="list-style-type: none"><li>Designed a 3D model of a rocket glider with folding wings, tested for lift and drag</li></ul> |          |

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| <b>High School Yearlong Project</b>  | Sep 2017 – Mar 2018 |
| <ul style="list-style-type: none"><li>Designed and coded a real-time strategy computer game in C++</li></ul> |                     |

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| <b>Wooden Sea Kayak at Chewonki Boat Builders</b>  | Jul 2017 – Aug 2017 |
| <ul style="list-style-type: none"><li>Constructed and field tested a wooden, fiberglass, and epoxy sea kayak as part of Chewonki Boat Builders Program</li></ul> |                     |

## ADDITIONAL INFORMATION

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**Technical Skills:** Solidworks, Design for Manufacturing, Robotics, Iterative Design, Photoshop, Excel, Python, C++  
**Non-Technical Skills:** Strong Oral and Written Skills, Leadership, PowerPoint, Collaboration, Spanish (basic)  
**Citizenship:** Dual USA & Canada