

RUTGERS DEPARTMENT OF MECHANICAL
& AEROSPACE ENGINEERING



A social gathering that brings together students, faculty, alumni and professionals from top companies in mechanical and aerospace engineering.

November 9th, 2023

STUDENT RESUME BOOKLET

Manav Aggarwal



I am a junior in the Rutgers University - New Brunswick Engineering Honors Academy. I am an aspiring mechanical engineer with a minor in psychology. I have many technical skills that are extremely useful in engineering positions, for instance: origami, 3D modeling, graphic design, optimizing processes, and creative problem solving, which are all skills I heavily utilize in the research I am a part of at Rutgers (I work in the combustion lab run by Professor Stephen Tse).

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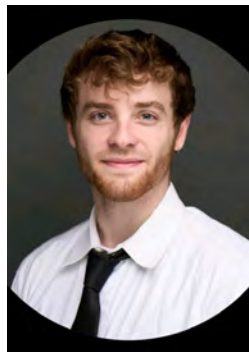
Anish Aluru



I believe that the future of flight is now. I have worked with many flow simulation environments and am very comfortable conducting complex analyses.

LinkedIn: <https://www.linkedin.com/in/anishaluru/>

Daniel Bainbridge



I'm currently a senior studying aerospace engineering, and I wish to be a part of the astronautical side of this field, developing spacecraft technology. One of my passions is traveling and exploring, and I believe this to be the essence of aerospace engineering and space exploration. To serve this interest, I hope to obtain an internship or entry level position with an engineering company in order to expand and maximize my technical skills.

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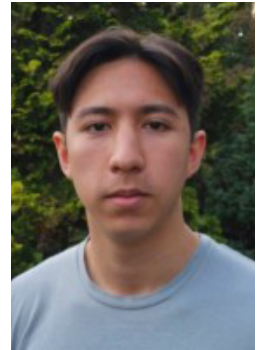
Patrick Boland



I'm an aviation enthusiast who wants to learn anything and everything about aircraft from small to large

LinkedIn: <https://www.linkedin.com/in/patrick-t-boland/>

Max Carnevale



Hello, I'm a junior majoring in Aerospace Engineering. Right now, I am currently involved in the Rocket Propulsion Lab team and have finished an internship working for Parts Life Inc. over the summer. My main interests are in aerodynamics and hypersonics.

<https://www.linkedin.com/in/max-carnevale/> :LinkedIn

Nolan Carr



Dedicated, analytical mechanical engineering student with a strong grasp of mathematics, SolidWorks, and MATLAB, as well as a deep interest in robotic manufacturing and autonomy. Experienced in nozzle and manifold design, from an internship with Hudson Robotics, as well as aeronautics and mechanism design, through involvement with RUAutonomous. Currently seeking to be employed as a mechanical engineering intern in research, design, and development.

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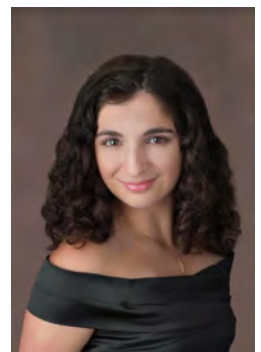
Darwin Charles



Detail-oriented Mechanical Engineering student with a strong passion for aerospace and mechanical engineering. Proficient in ANSYS, SolidWorks, and MATLAB, with a focus on multiphysics simulations. Enthusiastic problem solver and effective communicator, eager to contribute to innovative projects that bridge the realms of aerospace and mechanical engineering for a positive global impact. I enjoy team sports like soccer and basketball, previously serving as a soccer team captain. I'm an active leader and teacher at my church. My creative pursuits include drawing and music. Currently, I'm gaining experience as a project engineer intern at Middlesex County Utilities Authority.

<https://www.linkedin.com/in/darwin-charles-b022001b6/> :LinkedIn

Francesca Fusco



I am aspiring Junior Mechanical Engineer with a passion for deep space exploration. My credentials include being a Flight Test Engineering intern for Lockheed Martin, NASA NJSP Academic Intern 2023-2024, and the Chief Engineer for project SPICESat (Rutgers first ever Cube satellite) for the University Nanosatellite Program.

<https://www.linkedin.com/in/francescabfusco/> :LinkedIn

Hallie Gordon



Hard-working and focused university student enrolled in Mechanical Engineering program, with proven experience delivering high-quality solutions in challenging environments. Strong multi-tasking ability, organized and efficient, able to excel on both team and individual projects. Skilled in 3D modeling and design.

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Rishav Gupta



I am an undergraduate, junior in Rutgers' Mechanical and Aerospace department with minors in Mathematics and Computer Science. I am an active member of the AIAA and enjoy working on the various research projects as part of the organization. I am also on a team with a PhD student in order to write 3 separate papers on the use of Machine Learning in detecting rust. I am interested in a variety of fields in the world of Aerospace Engineering, including, but not limited to, Hypersonics, Fluid Mechanics, Propulsion systems Engineering, and many more fields. In general, I love to learn.

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Christopher Iannella



I am a senior mechanical engineering student with an energy concentration and a minor in economics. My current internship at ZOLL Medical Corporation and previous internship at Bruker OST LLC have helped me grow professionally, but have also pointed me to the industry I am excited to pursue after graduation. I am looking for a mechanical engineering opportunity in the medical device industry where I can combine my passions for innovation and helping others.

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Saicharan Idhayan

Interested in aerospace engineering open to mechanical engineering too. Have experience working with autonomous drones and planes experience flying rc planes too.

LinkedIn: <https://www.linkedin.com/in/sai-idhayan-66b428246/>

Hirva Jadav



I am a senior pursuing Mechanical Engineering at Rutgers University. Over the summer I worked at Thermofisher Scientific as an Manufacturing Engineering Intern. I am currently working two research projects one pertaining to lithium extractions using CNTs and a Nasa Water sampling drone. I am really passionate about sustainability, automation and manufacturing.

<https://www.linkedin.com/in/hirva-jadav-24581b191/> :LinkedIn

Cole Jenkins



I am driven student at Rutgers University New Brunswick with a desire to make an impact wherever I can! One of my goals it to always help others, whether that is through an organization or assisting with a peer's problem. Currently a senior in the Rutgers Engineering Honors Academy, I am a Mechanical Engineering student with a passion in data analytics, energy systems, and economics, as these allow me to better understand the world as a whole. I love to learn new skills and fundamentals - technical or soft - to better myself as a person and prepare me for endless future opportunities!

<https://www.linkedin.com/in/cole-jenkins-ru2/> :LinkedIn

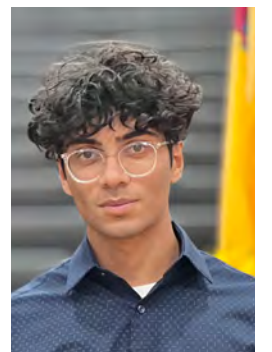
Coltrane Kamikura



MechE student with a passion for going fast. Experienced with quick solutions for one off problems. Current Design Lead of FSAE team at Rutgers, chassis lead from 2021-2023.

<https://www.linkedin.com/in/coltranekamikura/> :LinkedIn

Karthik Kanithi



<https://www.linkedin.com/in/karthik-kanithi-b881a424b/> :LinkedIn

Jasmine Khaled



I am currently a senior pursuing a mechanical engineering degree, with an aerospace concentration. My background comprises professional and project experiences that have honed both my technical expertise and interpersonal skills. I've completed an internship at Pratt and Whitney as a design engineer and at Northrop Grumman within their mechanical subsystems team. Additionally, I've engaged in undergraduate research and contributed to various collaborative projects. I am a diligent, adaptable individual eager to further expand my engineering knowledge. As I'm set to graduate in May 2024, I'm actively seeking full-time opportunities and co-op positions for the upcoming Spring.

LinkedIn: [HTTPS://WWW.LINKEDIN.COM/IN/JASMINEKHALED/](https://www.linkedin.com/in/jasminekhaled/)

Chirag Khurana



Aerospace Engineering and Physics double major interested in plasma physics and nuclear fusion technologies for aerospace applications.

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Andrew Kim



My name is John Kim and I am a junior in Mechanical Engineering pursuing a concentration in Aerospace. I am the Aerodynamics Lead for Rutgers Formula Racing FSAE team where my responsibilities include understanding the aerodynamics of a race car and applying it to design our aero package. I work with 3D turbulent flow on STAR CCM and Ansys to optimize our downforce and drag of the car. Being a Lead also requires that I teach all the members of my subteam about aerodynamics and simulations.

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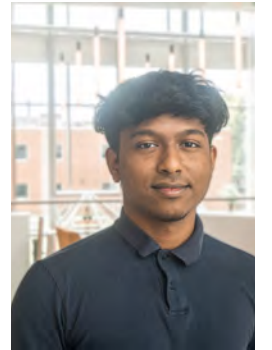
John Kim



My name is Andrew Kim. I am a senior at Rutgers studying Aerospace Engineering. I am an Eagle Scout and the president of Rutgers' Pi Tau Sigma chapter. As a citizen of the United States, I believe it is my duty to better the lives of my fellow countrymen and those around the world who believe in the cause of Democracy. I dream of working in the Aerospace Defense Industry to contribute to the defense of the United States and her allies around the world by any means justified.

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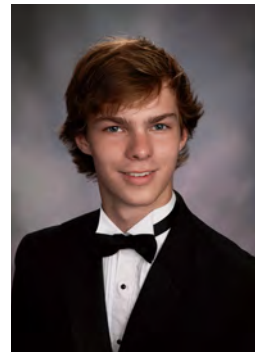
Mithun Krishnan



My name is Mithun Krishnan and I am a senior undergraduate student who is passionate about fluid mechanics, control systems, design methodologies, and related topics in the field of Aerospace. When I am not looking at the sky for airplanes, I love to read, hike, and play volleyball. Excited to contribute to the future of the aerospace industry!

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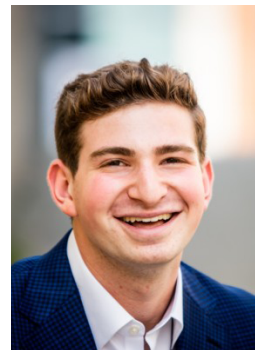
David Lambert



I want to pursue a career in industry defining robotics (currently leaning towards space robotics). I have a long list of hands on experience working on competitive robots, satellites, machinery, and research testing equipment. I have over 7 years of CAD experience, 5 years of robotics experience, know a wide variety of mechanical mechanisms, as well as a basic level of coding. I am pursuing a Bachelors in Mechanical Engineering as well as a minor in Computer Science.

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Morgan Lazarus



I am a current junior studying Aerospace Engineering with a minor in Meteorology. I am a hardworking individual and never shy away from a task. I am currently looking for a position in the Aerospace industry for Summer 2024. Some of my previous job experience includes being the Co-Founder and COO of a software company start up called CardUP, where I lead a team of 20 individuals in software development as well as all business operations. I look forward to meeting tonight!

Ian Lertola



Hi! I'm Ian, a senior studying Mechanical Engineering. I love all things outdoors and the hobbies I'm most passionate about are mountain biking and snowboarding. What excites me about engineering is the understanding of how anything and everything works. I believe this understanding allows for a more meaningful connection to the things we use everyday. I love the challenge and problem solving aspects of engineering and I find great value in teamwork.

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William Lu



I am a senior studying aerospace engineering at Rutgers University. I am part of AIAA and an aerostructures lead for RU Airborne. A project I have led in this position is creating a CAD model of the fuselage for our competition aircraft using SolidWorks.

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Tyler Mackey



I am studying Mechanical Engineering and am in the class of 2025. Outside of engineering, I am a captain on the Men's Ultimate Frisbee team at Rutgers, and enjoy 3d printing and listening to music. I plan on attending graduate school for biomedical engineering.

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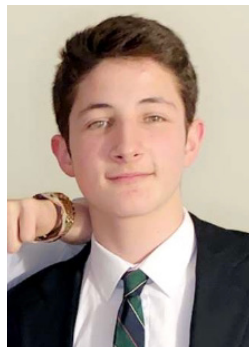
Noah McAllister



I am a senior majoring in Aerospace Engineering with a minor in math at Rutgers University. I currently serve as the Rutgers student-branch President of the AIAA and the Chief Engineer of RU Airborne, the AIAA Design-Build-Fly competition team. During the school year, I research thin-film coatings manufactured by self-limiting electrospray deposition in a Rutgers lab, and I research aeroelastic design optimization in the Aerospace Systems Directorate of the Air Force Research Lab (AFRL). He has previously interned at AFRL and Lockheed Martin Space on the NASA Dragonfly mission.

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William Moore



Aerospace Engineering major looking to start a career in manufacturing, design, or sales engineering

LinkedIn: [HTTPS://WWW.LINKEDIN.COM/IN/WMOORE19/](https://www.linkedin.com/in/wmoore19/)

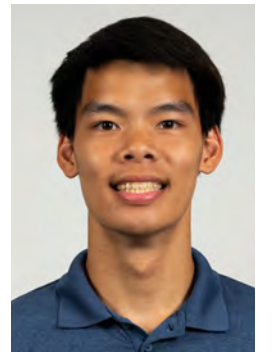
Bhavesh Narala



I am a mechanical engineering PhD student that has experience in designing and manufacturing hardware as well as software experience in testing and deploying neural networks on embedded systems for drones. I am the last year of my PhD and am looking to pursue opportunities that tackle designing and manufacturing to testing and deploying novel solutions to tackle complex problems.

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Jason Ng



I am a senior mechanical engineer captain of the Rutgers Quidditch team!

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Ethan Oliva



I want to explore as many possibilities as I can and meet people through my life although professionally I always had an interest in space and the engineering that goes into the aerospace and astronomical side.

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Precious Opara



I am a 4th year Mechanical Engineering student at Rutgers University. I enjoy computer-aided design and I am passionate about applying engineering skills to deliver real-world optimizations and to generate value. I am looking to work in the product design industry and open to full time opportunities so please feel free to reach out.

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Joseph Palethu



I'm a dynamic and driven aerospace enthusiast with a strong foundation in engineering and a passion for the limitless possibilities of aerospace technology. As a dedicated student, I've excelled in my aerospace engineering program, consistently achieving academic excellence. I've complemented my studies with hands-on experience in projects involving CubeSats and 3D Printing NDE, which has honed my problem-solving skills and deepened my love for this field. I'm excited to join the aerospace industry, where I can contribute my technical proficiency and innovative mindset to help shape the future of space exploration and aviation. I'm eager to collaborate, learn, and make a meaningful impact with forward-thinking aerospace companies.

LinkedIn: <https://www.linkedin.com/in/josephpalethu/>

Dylan Penafiel



I am currently a Senior mechanical engineering major. My interests are working in design towards planning, HVAC, and infrastructures. I have great experiences in CAD, problem solving, and working with others.

LinkedIn: <https://www.linkedin.com/in/dylan-penafiel-383640253/>

Benjamin Platoff



I am a focused, self-directed learner with experience in laboratory, shop, start-up, and corporate environments. I can work with practical skills in computer science, mechanical engineering, and robotics engineering. My passions include building amazing things, helping and enjoying the planet, and fitness. I'm seeking a full-time role beginning in the summer of 2024 as a software engineer, mechanical engineer, or robotics engineer. I would love to help your company build a bright future.

LinkedIn: <https://www.linkedin.com/in/benjamin-platoff/>

Nicole Posada



My name is Nicole Posada, I am a senior studying Mechanical Engineering with an Aerospace concentration. At Rutgers, I have had the opportunity to exhibit my leadership skills as a School of Engineering ambassador and a prior eboard member of the Society of Hispanic Engineers. I have strengthened my technical knowledge through my prior internship opportunities as an Optimized Operations Engineering Intern at 3M in Decatur, Alabama and as a Manufacturing Engineering Intern at Boeing in St. Louis, Missouri this past summer.

LinkedIn: <https://www.linkedin.com/in/nicole-posada/>

Hirsh Ramani



Computer Science and Mechanical Engineering Honors College student at Rutgers interested in full time roles related to technology for business. Ready to work starting May 2024

<https://www.linkedin.com/in/hirsh-ramani-63022B1A3/> :LinkedIn

Timothy Robinson



I'm an Aerospace Major with a German Minor expecting to graduate by May 25'. I'm a hands-on engineer who likes to follow a project through to completion. I'm interested in Heat/Fluid Analysis, GNC, and Aerodynamic-based Design. I'm looking forward to meeting you!

<https://www.linkedin.com/in/timothy-robinson-6117A3298/> :LinkedIn

Ayman Rouf



I am a junior enrolled in Honors College at Rutgers, currently pursuing a Mechanical Engineering degree with a minor in Mathematics. I work as a research assistant at the Hybrid Micro/Nanomanufacturing lab at Rutgers where I investigate the limits and tunability of thin films generated by targeted electric fields. I'm also a member of RU Airborne, the AIAA Design-Build-Fly team at Rutgers. Some industries I am interested in working in are Energy, and Aviation.

<https://www.linkedin.com/in/ayman-rouf/> :LinkedIn

Usman Saeed



I'm a current senior majoring in mechanical engineering with a concentration in energy graduating May 2024. I'm dedicated to my work and I am familiar with working together in an engineering team through my work in the Rutgers Solar Car team and through my senior design capstone project, where I continue to gain crucial communication, teamwork, design, and machining skills. I use SolidWorks regularly to create and iterate parts for the Rutgers Solar Car steering system, as well as create isometric drawings to efficiently use a vertical mill and manufacture parts myself. I always put my right foot first heading into any work that I do and make sure that myself and those around me are all working together and are on the same page, and believe that I can use my skills to drive projects further.

<https://www.linkedin.com/in/usman-saeed5/> :LinkedIn

David Samolkin



I'm a driven Aerospace Engineering student at Rutgers University, in the 5-year MS/BS program, set to graduate in May 2025. Beyond academics, I've gained experience during my internships at Merck and ET Industries through mechanical design and experimentation. I lead at AIAA Rutgers Rocket Propulsion Lab and engage with NASA competitions, fostering STEM innovation. I'm eager to make a meaningful impact in the aerospace industry.

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Cavin Saravanan



Vice President of Engineers Without Borders - Rutgers and avid rock climber. Former Manufacturing Engineering Intern at Crane Aerospace and Electronics and Tesla. Interested in Additive Manufacturing and Automation!

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Luca Sirman



My name is Luca Sirman, I am a senior majoring in mechanical engineering with a concentration in aerospace engineering. On campus, I'm a part of the Rutgers Rocket Propulsion Lab (RRPL), where I am an Aerobody subteam lead. As a lead I work to ensure members are engaged in engineering projects to benefit our rocket. Being an RRPL engineer, I have also gained a great deal of hands on experience, both with software (Solidworks/Ansys) and hardware (woodshop/end mill machining). After graduation I aim to pursue a career in the space exploration industry as a design engineer.

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Hiren Solanki



Hello! My name is Hiren Solanki and I am currently enrolled in the Mechanical Engineering Program at Rutgers. I hail from Basking Ridge, New Jersey, and have a strong passion for cars. Cars are the reason that I decided to pursue mechanical engineering as a degree, and I hope to have the opportunity to one day work on the production and concept of some of the cars of the future. I'm looking to further my education by pursuing a Master's degree, and I will apply to the MBA Program at the Rutgers Business School.

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Shreya Srikanth



Aerospace Engineering student at Rutgers University, driven to contribute strongly to research and development opportunities in related fields. I am a keen observer with an analytical & critical thinking approach for problem solving, which would make me an ideal candidate for engineering research and internship positions. I am a fast, ambitious learner with a deep commitment to succeed and passionate about learning new concepts and receiving a holistic experience.

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David Tovar



Motivated 3rd Year Mechanical Engineering student interested in Renewable Energy and the relationship between animals and engineering. I enjoy being an Aerodynamics & Composites member for Rutgers Solar Car, a Learning Assistant for Physics 227, and the Treasurer for the Rutgers Bowling Sports Club.

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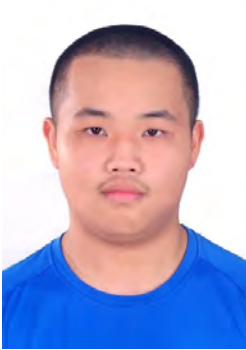
Emily Werosta



Hi, I'm an aerospace engineering student who wants to continue my education beyond Rutgers while building and learning about technologies that will ultimately help people every day.

<https://www.linkedin.com/in/EMILY-WEROSTA/> :LinkedIn

Shubin Xie



Hello, I'm Shubin Xie, a senior Mechanical Engineering student. Throughout my college journey, I have immersed myself in the exciting fields of automation and robotics. I am an active member of the Rutgers IEEE Micromouse team, where I've contributed significantly by designing PCB boards and devising control strategies for our mouse robot. In the last two years, our team has garnered remarkable achievements, securing the top spot in the MIT 2023 Micromouse Competition and achieving a noteworthy second place in the 2023 Long Island Region competition. Additionally, I gain valuable hands-on experience through my work at an MAE machine shop, where I operate mill and lathe machinery. One fun fact about me is my genuine passion for constructing and tinkering with mechanical creations.

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Jouan Yu



Hi! I’m Jouan Yu. I’m an undergraduate mechanical engineering major passionate about robotics and materials. As the hardware lead of the VEXU division of IEEE and an undergraduate research assistant in HMNL, I am driven to contribute my skills and knowledge to a team-oriented environment where creativity and technical expertise converge to drive advancement in technology.

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