

Jacques Scheire

Education

- 2018–2022 **Double Major: Computer Engineering and Computer Science**, Rutgers University, New Brunswick, GPA–3.63.
Dean's List
- 2014–2018 **High School Diploma**, *Princeton High School*, Princeton, NJ.
AP Scholar with Distinction

Experience

- Jun–Jul, 2019 **Unmanned Aerial Systems Research Intern**, *Smart-Systems Laboratory (PI: Dr. Onur Bilgen)*, Rutgers University, New Brunswick, NJ.
- Researched piezoelectric components' effects on flight performance.
 - Designed and troubleshooted small unmanned aircraft.
 - Developed a plan to simulate free-fall with unmanned aircraft for experimental purposes.
 - Designed circuits using Arduino to create projects involving piezoelectric sensors.
- Sep 2019–Present **Multidisciplinary Tutor**, *Rutgers Office of Student Services*, New Brunswick, NJ.
- Provide one-on-one tutoring services for engineering students at Rutgers University.
 - Help strengthen individual performance in a variety of subject areas including Calculus, Computer Programming, and Engineering Mechanics.
- May 2019–Present **OIT Consultant**, *Rutgers Office of Information Technology*, New Brunswick, NJ.
- Provide quality information technology support and services for students and staff of Rutgers University.
 - Maintain excellent customer service and interpersonal skills at all computer labs on Busch Campus.
 - Troubleshoot a variety of issues ranging from lab patrons' devices to lab hardware.

Projects

Exploratory Visualization

Data visualization and linear regression of Google play store application data. Won 3rd place at HackRU Spring 2019.

ML Toothpaste Price Prediction

Trained a machine learning model to predict the price of toothpaste given a large data set with a variety of both categorical and numerical parameters. Submitted to the Colgate Challenge at HackRU Fall 2019.

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Travel itinerary generator that considers user-selected preferences and optimizes routes to points of interest. Won Best Use of Google Cloud Platform at HackRU Fall 2018.

Relevant Skills

- Computer Languages Java, Python, MATLAB, HTML5, CSS, LaTeX
- Software/Frameworks Google Cloud API, d3.js, Jupyter, pandas, Git, Android Studio, Vim
- Languages English, French, Chinese, German

Princeton, NJ – USA

📞 +1 (609) 553 8683 • ✉ jscheire08@gmail.com • 🌐 www.jscheire.com