

# Jacques Scheire

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## 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

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## 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.

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## 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.

### Itenegeen

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.

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## 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

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