

Rajeev Atla

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Programming Python Java JavaScript SQL	
Technologies NumPy PyTorch Pandas Scikit-learn Git	
Markup L ^A T _E X Asymptote HTML CSS	
Tools Emacs Ubuntu	
Education 2021 - 2025	Rutgers University — New Brunswick <ul style="list-style-type: none">Triple major in Computer Engineering, Computer Science, and Statistics/MathematicsMinor in Data SciencePotential Minor in Operations ResearchPotential Certificates in Quantitative Economics or Computational EconomicsExtracurriculars: Engineering Honors Academy, IEEE, Quantitative Finance Club, Competitive Programming Club, Engineering Honors Council, Alliance of Computer Scientists, Math Association, Statistics Club, Quidditch
2017 - 2021	John P. Stevens High School <ul style="list-style-type: none">Scored a 35/36 on ACTTook 19 AP exams (National AP Scholar) and 8 honors classes5.56 Weighted GPA & 4.07 Unweighted GPAExtracurriculars: Science Bowl (President), Science League (President), Science Olympiad (President), Physics Club (President), Chemistry Club (President), Quiz Bowl, National Honor Society, Science National Honors Society, National Technical Honor Society, National English Honor Society, Mu Alpha Theta
2020 - 2021	Columbia Science Honors Program <ul style="list-style-type: none">Took <i>Introduction to Algorithms</i> and <i>Graph Theory</i>Selected as one of ~2000 applicants from the tri-state area (NJ, NY, CT)
Projects 2020 - 2021	SuperconGAN: Superconductivity and GANs <ul style="list-style-type: none">Used PyTorch to construct and train a generative adversarial network (GAN) to analyze superconductivity dataWithdrew data from UCI Machine Learning Repository using PandasPublished package on PyPI with 20,000+ downloadsWrote unit tests using PytestGitHub Repository: https://github.com/RajeevAtla/SuperconGAN
2019 - 2021	rajeevatla.com <ul style="list-style-type: none">Used Jekyll and GitHub Pages to publish personal websiteBlogged on various technical subjects including physics and math
Aug. 2020	Sentiment Classification on IMDb Movie Reviews <ul style="list-style-type: none">Lead a team of 5 in using Sklearn and Pandas to construct an F1-based model to classify movie reviews as positive or negativeAchieved 90.5% accuracy using linear bigram tf-idf
May 2021	Travel App <ul style="list-style-type: none">Designed mobile app to give iconic tours of areas along with 4 team membersWrote controllers and models for MongoDB using Mongoose ORMUtilized Flutter for frontend and Express.js and MongoDB for backendPlaced 2nd at HackExeter 2021

Awards

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March 2020

US Physics Olympiad Qualifier

- ⦿ Placed in **top 400** out of **5,000+** on $F=ma$ exam, based on knowledge of calculus-based mechanics and physical intuition
- ⦿ Final exam cancelled due to COVID-19
- ⦿ https://www.aapt.org/physicsteam/2020/upload/2020-USAPhO-Qualifiers_v3.pdf

2019, 2021

NJIT Chemistry Olympics

- ⦿ Utilized knowledge of organic and inorganic chemical nomenclature, as well as general chemistry knowledge
 - ⦿ Lead nomenclature team to **3rd place in 2021** and **4th place in 2019** (2020 canceled due to COVID-19)
 - ⦿ Lead demonstration show team to **4th place in 2019**
 - ⦿ Selected to represent high school out of **200+** applicants
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