

Justin Barlas

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EDUCATION

Brown University, *Sc.B. Applied Mathematics – Computer Science, Urban Studies*, 4.0 GPA Providence, RI | May 2023

- Bonner Community Fellow Providence RI | Spring 2020 – Spring 2023
- Relevant Courses: Artificial Intelligence, Computer Vision, Computational Probability and Statistics

Saint Petersburg High School, *International Baccalaureate Program Salutatorian*, 4.66/4.00 GPA St. Petersburg, FL | 2019

RESEARCH EXPERIENCE

Annenberg Institute, *Undergraduate Fellow for Education and Social Policy* Remote; Providence, RI | Summer 2021

- Summarized and cleaned data in Stata, performing tasks such as merging and reshaping data sets, creating summary tables, and running linear regressions
- Collaborated with two other undergraduate fellows to assist the research team on data cleaning and analysis as well as aiding in performing a literature review
- Attended faculty-led workshops in topics from data analysis in Stata, introductions to GIS software, and Q&A sessions with post-doctoral research fellows and professors involved in social policy research

Brown Undergraduate Math Project, *Participant* Online | August 2020

- Investigated repeating decimals from a number theory perspective, aiming to determine patterns in their period with a group of two other undergraduate students
- Researched topics in number theory to help develop rigorous proofs for our mathematical conclusions
- Authored findings in a short research paper under the direction of a faculty advisor

EMPLOYMENT EXPERIENCE

Swearer Tutoring Enrichment in Math and Science (STEMS), *Site Leader, Tutor* Providence, RI | Oct. 2019 – Present

- Coordinate program details between Brown's Swearer Center, the student volunteers, and the programs community partner, Hope High School, to ensure that the student tutors are equipped to have effective impact
- Lead member meetings designed to promote tutor growth and enhance their understanding of the community that they serve
- Assist teachers in the classroom at Hope High School by providing one-on-one academic support to their students, and engage with students as a peer mentor, developing their self-efficacy in the STEM field and throughout their education

Self-Employed, *Tutor* St. Petersburg, Florida | Nov. 2016 – Present

- Selected as a standardized testing tutor with Varsity Tutors (July 2020 – Present)
- Explain key concepts to students in subjects in mathematics ranging from Algebra I to Calculus
- Mentor 2-3 students per week on college admissions, providing insight on the standardized testing process and SAT/ACT content preparation
- Create a curriculum to focus the student's learning, collaborating with parents to ensure maximum student growth

COMMUNICATION EXPERIENCE

Brown Political Review, *Interviewer* Remote; Providence, RI | Feb. 2021 – Present

- Edit and collaborate with other interviewers to ensure the publications are coherent and clear in their message while maintaining accuracy to the original interview
- Publicize interviews for the Brown Political Review with various figures involved in shaping the political landscape

PROJECTS

Search, *Java*

- Edit and collaborate with other interviewers to ensure the publications are coherent and clear in their message while maintaining accuracy to the original interview
- Publicize interviews for the Brown Political Review with various figures involved in shaping the political landscape

Adversarial Search, *Python*

- Edit and collaborate with other interviewers to ensure the publications are coherent and clear in their message while maintaining accuracy to the original interview
- Publicize interviews for the Brown Political Review with various figures involved in shaping the political landscape

SKILLS & INTERESTS

Languages: Java, Python, Stata, Pyret

Interests: Ultimate frisbee, running, esports, hiking, and chess