

Jonathan Doane

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EDUCATION

Binghamton University: Ph.D. Mathematical Sciences GPA 3.975/4

Jul 2022

Dissertation: *Boolean Twice Monoids*

- Taught Linear Algebra, Calculus I-II, Pre-Calculus, Probability & Statistics.
- *Clark Diversity Fellowship, Dissertation Year Fellowship, Mian Scholarship.*

EXPERIENCE

Planet Cents, Inc.: Data Analyst, Funding

Online Nov 2022 - Present

- I am training a new intern in updating and maintaining our legacy investors Excel sheet.
- I use crunchbase to identify hundreds of future investors focused on diversity, climate, and change.

AI4ALL: Instructor of Artificial Intelligence at College Pathways

Online Aug 2022 - Present

- Lead weekly live instruction sessions, monitor student progress and provide timely interventions, increase students' likelihood of success.
- Analyze this data, summarize findings into a report and communicate results.

Tupper Lake Middle-High School: Secondary Mathematics Teacher

New York Aug 2022 - Present

- Analyze student data and create visual reports.
- Collaborate with department to provide timely interventions.

Bryant & Stratton College: Adjunct Faculty - Mathematics

Online Jan 2022 - Present

- Analyze ambiguous, open-ended questions and contend results.
- Empower students, facilitate growth.

PrepNow (StudyPoint): Mathematics Tutor

Online Jul 2022 - Present

- Tutor Calculus I and Trigonometry.

SKILLS

Mathematics



Python



Data Analysis



Machine Learning



SQL



CERTIFICATIONS

Erdős Institute Data Science Boot Camp:

Presentation: *How many words?*

GitHub: *Count Words in Audio*

- Doubled the accuracy of an existing spoken-word counting function.
- Implemented Machine Learning, in particular multiple linear regression.
- Completed the project within one week.

Western Ghats Challenge (Global Innovation Hackathon):

Presentation: *Participation Development Programs*

- Researched how to increase traffic to mobile and web applications.
- Completed project within 24 hours.

Kaggle:

Intro to Machine Learning, Intro to SQL, Python, Pandas, Data Cleaning

PROJECTS

1. [Python.Flask.Docker](#)
2. [SQL Assessment](#)
3. [SQL Investigation of start-up data](#)
4. [Auto-grader from rubric](#)
5. [Collect and merge PDFs](#)
6. [Machine Learning Jupyter exercise](#)