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.*

Syracuse University: M.S. Mathematics GPA 3.79/4 — May 2017
- Taught Probability & Statistics.
- *Graduate Fellowship in Mathematics.*

SUNY Potsdam: M.A./B.A. Mathematics GPA 4/4 & 3.95/4 — May 2017
- Tutored Linear Algebra, Differential Equations, Calculus I-III, Pre-Calculus, Set Theory.
- *Senior Majors Departmental Scholars, Cateforis Award, Sophomore MAAEM, Charlie Smith Prize for Calculus II.*

EXPERIENCE

Planet Cents, Inc.: Data Analyst, Business Intelligence Analyst — Online — Nov 2022 - Present
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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