## Jonathan Doane

#### **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
- 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**

## **CERTIFICATIONS**

# Mathematics

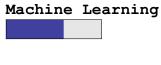


Python



# Data Analysis







## 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