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1 Objective

Applied Math Student with diverse educational background and programming experience seeks to break into industry. Demonstrated commitment to learning and a student mindset, hoping to refine my skillset towards a particular technical career path.

2 Work Experience

San Diego State University, Teaching Assistant **2024-present**

- Teaching duties for Calculus including leading activity sections, office hours, and grading
- 1 year of Multivariable Calculus, focusing lectures on applications in Machine Learning, aerospace engineering, and statistics

Miramar College, San Diego, CA, Math Tutor **2022-present**

- Work with community college students on variety of math subjects, esp. Statistics, Introductory Algebra, and Calculus
- Engage with students' needs at an individual level, including negotiating work/life balance, learning disabilities, and other barriers to success

Russian School of Mathematics, San Diego, CA, Teacher (part time) **2021-2024**

- Teaching classes of 5-15 middle schoolers, some tutoring duties
- Negotiated transition from pandemic/Distance teaching methods to in person instruction

3 Education

San Diego State University, MS-Applied Math (3.87 GPA) **Fall 2024-Present**

- Research in Machine Learning and Graph Theory
- Coursework in Machine Learning, Bayesian methods, and Bioinformatics
- TA position for Calculus during school year and summer

Emory University, B.A. **2014-2018**

- Bachelors of Arts in Mathematics and Economics, additional Bachelors in Political Science (3.7 GPA)
- Summer research fellowship in public health and Biostatistics (Summer 2017)

University of Michigan, incomplete Ph.D. **2019-2020**

- Partial completion of a Ph.D in Political Science, suspended due to Covid
- Research experience with Big Data, machine learning, and spacial statistics

Miramar College **2022- Present**

- Coursework towards Associates Degree in Computer Science (4.0 GPA)
- Summer TA position for Statistics, ongoing employment as tutor for math center

4 Skills

- AI/ML/Data Science: active use of PyTorch, SciKit Learn, other Python environment packages (numpy, pandas, matplotlib, etc).
- General programming: experience with git/github, Jupyter notebooks, bash/UNIX commandline, emacs/emacs

5 Personal Projects/Hobbies

- Development and scripting for antiX Linux and Void Linux: contribution to open-source repos on github
- Working through Project Euler(math)(Common Lisp,Python) and Rosalind.info (bioinformatics) programming problem sets
- Hobby math programming in Julia and Java (quartic polynomial solver, differential equation solver, Mandelbrot set generator)