Matthew Kleitz

New York, New York, 10009 / kleitz.matthew@gmail.com / (845) 642-6914
GitHub: https://github.com/mattjk00/
Website: https://mattjk00.github.io/me/
LinkedIn: https://www.linkedin.com/in/matthew-kleitz

EDUCATION

Hunter College | New York, NY

Master of Arts (MA), Statistics and Applied Mathematics | Expected Graduation Spring 2025

State University of New York at New Paltz | New Paltz, NY

Bachelor of Science (BS), Computer Science, Minor: Applied Math | January 2020 - May 2022

TECHNICAL SKILLS

Languages: C, C++, Rust, Java, Python, C#, Faust, Assembly
Web Development: HTML, CSS, JavaScript, TypeScript, React, React Native
Data & Cloud: SQL, Firebase, Apache Spark
Tools/Technologies: PyTorch, NumPy, Machine Learning, Neural Networks, Git, Node.js, Linux, Vim

RELEVANT EXPERIENCE

Best Brains Learning Centers, Remote Work**,** *Coding Curriculum Writer***,** October 2022 - Present
- Create weekly lesson plans for web development courses.
- Learn continuously – I make sure to stay up to date with the latest web dev standards.
- Produce website templates weekly to accompany educational content.

iD Tech, Remote Work, *Computer Science & Math Instructor*, July 2020 - May 2022
- Educated 5+ students weekly on topics in computer science, math, and game development.
- Developed lesson plans for topics and collaborated with peers to improve our method of teaching.
- Recognized by management for maintaining a high student retention rate of 7 lessons taught per student.

ACADEMIC PROJECTS

Smart Library Image Processing AI, SUNY New Paltz, Spring 2022
- Annotate datasets and train Neural Networks to identify book labels in images.
- Create detailed documentation for the project's software architecture.
- Study the mathematical basis for the design of artificial neural networks.

Graphing Tools for Solutions to Partial Differential Equations, SUNY New Paltz, Fall 2021
- Design a web app to assist users visual solutions to Heat, Wave, and Laplace equations.
- Implement the backend and Unit Tests using Node.JS and React.
- Construct a tokenizer and parser to understand inputted boundary conditions and use numerical methods to solve partial differential equations.