Matthew Kleitz

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GitHub: https://github.com/mattjk00/
Website: https://mattjk00.github.io/me/

EDUCATION

State University of New York at New Paltz, New Paltz, NY
Bachelor of Science, Major: Computer Science, Minor: Applied Math
Expected Graduation: May 2022 Overall GPA 3.51
Dean's List, Spring 2020 & Spring 2021 - Present
Relevant Courses: Algorithms, Data Structures, Language Processing, OS, Cyber Security, Software Development, Computer Architecture, Linear Algebra, Discrete Math, Machine Learning Seminar

TECHNICAL SKILLS

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

RELEVANT EXPERIENCE

iD Tech, Remote Work, *Computer Science & Math Instructor*, July 2020 - Present

- Educate 5+ students weekly on topics in computer science, math, and game development.
- Develop lesson plans for topics and collaborate with peers to improve our method of teaching.
- Recognized by management for maintaining a high student retention rate of 7 lessons taught per student.

ilannattermix.com, Remote Work, *Freelance Web Developer*, January 2021 - May 2021

- Designed and built a portfolio website for an audio engineer professional.
- Developed frontend using HTML, CSS, and JavaScript with responsive design in mind.
- Created an admin portal with React and FireBase to allow the client to make website changes themselves.

ACADEMIC PROJECTS

Smart Library Image Processing AI, SUNY New Paltz, Spring 2022 - Present

- 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 - Present

- 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.