

Matthew Kleitz

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GitHub: <https://github.com/mattjk00/>

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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: Git, Node.js, VS Code, Linux, Vim, JUCE

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 6 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

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.

Prototype Cryptocurrency Using Rust, Summer 2021

- Programmed a functioning prototype crypto based on the Bitcoin whitepaper.
- Developed a proof-of-work consensus model with peer-to-peer capabilities using libp2p.
- Implemented blockchain using the Rust language to ensure security and reliability.