Ethan Nuessle

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github.com/enuessle | enuessle.github.io

EDUCATION

Rensselaer Polytechnic Institute   Troy, NY
B.S Computer Science and Mathematics   -   GPA: 3.86   *Aug. 2021 – May 2025*
- Dean's Honor List

TECHNICAL SKILLS

Languages: C/C++, Python, Javascript, Java, MATLAB, HTML/CSS, Typescript
Frameworks: React, Node.js, JUnit, Vite
Developer Tools: Linux, Git, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse
Libraries: OpenGL, SDL2, ShareDB

PROJECTS

VZCode | *Javascript, React, ShareDB, NodeJS, Vite*   Jan. 2024 – Present
- Contributed to a full-stack browser-based code editor
- Implemented front and back-end support for directories in the editor
- Supports real time collaborative code editing

OSUExchange | *Python, Requests, API, Git*   May 2023 – August 2023
- Developed a lightweight easy to use Python wrapper for the osu! API
- Collaborated in a Scrum framework of the Agile methodology
- Published on pip

Simple Chip8 | *C/C++, OpenGL, SDL2, Make*   December 2023
- Developed a fully functional interpreter for the CHIP-8 low level language
- Object Oriented design for easy scalability and additions
- Fully Windows compatible runnable as a native application

EXPERIENCE

Algorithms Class Mentor   Janurary. 2023 – Present
Rensselaer Polytechnic Institute   *Troy, NY*
- Guided students through coursework on Algorithms, Graph Theory, and Dynamic Programming
- Grading Homework assignments and troubleshooting students work and code
- Maintain upkeep of computers, classroom equipment, and 200 printers across campus

Summer Technologies Intern   May 2021 – August 2021
The Gunston School   *Centreville, MD*
- Set up an array of new MacBooks for incoming faculty
- Fixed and fully updated broken MacBooks
- Assisted in setting up the online infrastructure needed by the school for the upcoming year
- Provided IT Support to faculty over the summer