ETHAN NUESSLE

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Passionate and Self-Driven Computer Science and Mathematics Student at Rensselaer Polytechnic Institute

EDUCATION

RENSSELAER POLYTECHNIC INSTITUTE
B.A. COMPUTER SCIENCE / MATHEMATICS
CURRENT GPA: 3.86
Expected Graduation: May 2025
Achievements:
Dean's Honor List: Fall 2021 – Summer 2023
Relevant Courses:
Data Structures, Intro to Algorithms, Numerical Computing, Intro to Artificial Intelligence, Operating Systems, Software Design and Documentation, Rensselaer Center for Open Source

PROJECTS

CHIP-8 EMULATOR
A feature-complete CHIP-8 Emulator. Coded in **C++.** Uses the **SDL2 library** for **graphics and user-input**.

OSUEXCHANGE
An **API Wrapper** for the public osuApi. Coded in **Python** and available on **pip**. Done with **Agile development**. Multiple endpoints implemented with **user authentication**.

EXPERIENCE

INTRO TO ALGORITHMS MENTOR – RENSSELAER POLYTECHNIC INSTITUTE
Guiding students through the coursework and labs for the **Intro to Algorithms class**. Experience included helping troubleshoot students code, guiding them through the work, and grading homework about algorithms.

PAID SUMMER INTERN – THE GUNSTON SCHOOL
Worked as both an intern, and paid summer position, to set up the school's laptops for incoming faculty. Assisted in **setting up the online infrastructure** needed for the coming school year.

SKILLS

- C/C++
- C#
- Java
- MATLAB
- Python
- Linux
- JavaScript
- TypeScript
- SDL
- NodeJS
- HTML/CSS
- React