

EDUCATION

- **Cornell University** Ithaca, NY
Undergraduate, Computer Science and Math, GPA: 3.882 2022-present
Courses: Introduction to Compilers, Computer Organization, Linear Algebra, Multivariable Calculus, Discrete Math, Object Oriented Programming and Data Structures
- **Stuyvesant High School** New York, NY
2018-2022
Courses: Systems Level Programming, Complex Analysis, Math of Quantum Mechanics, Computer Graphics

EXPERIENCE

- **Consultant** Cornell University
Object Oriented Programming and Data Structures 2023-2023
 - staffed office/consulting hours and discussion component of the course
 - graded programming and non-programming assignments
- **Teaching Assistant** Cornell University
Computer Organization 2023-present
 - staffed office hours and lab component of the course
 - graded programming and non-programming assignments

PROJECTS

- **3d Rendering Engine:** Implemented a 3d graphics engine supporting Phong and toon shading as well as animation based on an imperative DSL.
- **Dynamic Wifi Extender:** Investigated the feasibility of adjusting the signal strength of an extender depending on the proximity to devices connected to reduce power usage. Implemented a demo on a Raspberry Pi. Pitched demo to peers.
- **Compiler:** Implemented an optimizing compiler for a small imperative language.

PROGRAMMING TOOL PROFICIENCIES

- Languages: OCaml, C, Rust, Java, Python, Lua, C++, Latex
- Tooling: Git, Bash, Make

HONORS AND AWARDS

- Qualification for American Invitational Mathematics Exam (top 5% of AMC 12 takers, 2022)
- 1st Place at Cornell University High School Programming Contest 2022
- 1st of 204 Participants Big Red Hacks 2022 (Hackathon Hosted at Cornell University)
- Dean's List Cornell Engineering