Jeremy Ku-Benjet

Email : jeremykubenjetschool@gmail.com

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 langugage.

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