

Ethan Sam

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Education

Hunter College

Bachelor of Arts in Computer Science | Minor: Mathematics | GPA: 3.8
Thomas Hunter Honors Scholar

New York, NY
May 2021

Relevant Coursework

- Calculus with Analytical Geometry I & II
- Discrete Mathematics
- Computer Architecture I & II
- Software Analysis and Design I, II, & III

Technical Summary

Computer Languages: C++ (2 Years), JavaScript(<1 year), HTML/CSS (<1 year)

Software: Git, Microsoft Office, Cygwin

Operating Systems: Linux (Ubuntu (Mint), Microsoft Windows (8, 10.8)

Projects

Maze Solver, Personal Project (C++) - Completed

November 2018

- A simple maze solving program using stacks that reads a from a text file and returns a solution to the maze

Elo System, Personal Project (C++) – Incomplete

- A player rating system measuring wins/losses/draws using applied statistics and methods from the MIT database

Experience

CUNY Hunter College

Math and Computer Science Tutor

New York, NY
August 2018-Present

- Facilitated in teaching students to interpret theorems and solve problems.
- Conducted individualized tutoring
- Coordinated intensive boot camps to prepare students for upcoming mathematics courses

NYU STEM Digital Electrical Engineering Program

Electrical Engineer

New York, NY
June – August 2017

- Completed NYU's competitive six-week electrical engineering summer program
- Completed several projects involving circuits, creating clocks, and working with Raspberry Pi motherboards to create practical applications
- Worked in a team and created the design for the group's final project, which involved using Arduino to coordinate the movement of a small drone

Brooklyn College Bridges to Computing Program

Web Designer

New York, NY
June – August 2016

- Completed Brooklyn College's six-week bootcamp for HTML/CSS
- Worked in a team to build a website displaying statistics for popular majors in the CUNY system