Ethan Sam

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Education

Hunter College   New York, NY

Bachelor of Arts in Computer Science | Minor: Mathematics | GPA: 3.8   May 2021

Relevant Coursework

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

Technical Summary

Computer Languages: C++ (2 Years), JavaScript(<1 year), HTML/CSS (<1 year)
Software: Git Bash, Microsoft Office, G++, Cygwin, Visual Studio Code
Operating Systems: Linux (Ubuntu (Mint), Microsoft Windows (8, 10.8))

Projects

DNA/Enzyme Parser, School Project (C++) - Completed   March 2019

- Utilizes an AVL Tree to parse enzymes and recognition sequences from the
  Restriction Enzyme Database: http://rebase.neb.com

Maze Solver, School 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

Experience

CUNY Hunter College   New York, NY

Math and Computer Science Tutor   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   New York, NY

Electrical Engineer   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   New York, NY

Web Designer   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