

SAMI HOSSAIN

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EDUCATION:

Hunter College CUNY

Expected Graduation June 2022

Bachelor of Arts, Computer Science GPA: 3.5

Recipient of Merit Scholarship

Brooklyn Technical High School

Sept. 2014 - June 2018

Software Engineering Major, Honor Rolls

Advanced Regents Diploma, AP Scholar with Distinction Award

RELEVANT COURSES:

Computer Science: AP Java, Intro to Python, Intro to C++, Computer Science Principles

Mathematics: Calculus II, Statistics II, Discrete Math

SKILLS:

Programming Languages: Java, CSS, React, C++, Redux, JavaScript, HTML5

Technologies: Socket.io, PostgreSQL, Sequelize, Express, DeckGL

Software: NI Multisim, Auto-CAD

EXPERIENCE:

Student

July 2019 - August 2019

CUNY 2X Tech TTP Program

New York, NY

- Completed selective program that provided additional CS education and practical skills development.
- Built single page applications using modern web development technologies such as React, Redux, Express, PostgreSQL, and Sequelize.

Software Engineering Intern

July 2017 - August 2017

Teach for America

New York, NY

- Created flowcharts of software modules & components to aid in the rewrite of these components and maintain all previous functionality.
- Completed mule tickets in an agile environment for a system migration project, helping the team clear the backlog of tickets and pull through before the important deadline.
- Shadowed senior developers working on integrating a new service and cross-company-collaboration to understand the process, workflow, and responsibilities.

PROJECTS:

Silver Ranking Bot, Halite 2 Java

[Project Link](#)

- An intelligent bot made using basic Java for the Halite 2 A.I. competition. Scored within the 98th percentile of competition of 6000 global participants. The strategy revolved around using TreeMaps for sorting by distance, a priority list of tasks for the conditional logic, and an optimal pathfinding algorithm to coordinate with hundreds of objects.

Escape Room Java, jmonkey engine, Blender

[Project Link](#)

- A 3D sandbox puzzle game made using the jmonkey engine and assets via blender. The player looks for objects hidden throughout the room while using different aspects of the physics and collision engine to help them along the way.

Meet Up PostgreSQL, Express, React, Node.js

[Heroku Link](#)

- A web application designed to help users coordinate with friends or family. The app can update dashboard information real-time and display useful travel information from all group members. Was project manager of the group, working with non-native English speaking teammates to achieve the Minimal Viable Product and meet the deadline.