

Sami Beig

Computer Science Student

Hard-working and outgoing student looking for an internship or research opportunity that will allow me to utilize my problem solving skills and attention to detail to further develop my abilities in the field of computer science.

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📍 Queens, NY

🐙 github.com/SamiBeig

WORK EXPERIENCE

STEM Instructor

NYC DOE - Summer in the City

06/2018 – 08/2018

Manhattan, NY

Achievements/Tasks

- Educated students on how to use power tools, basics of circuitry and breadboards, and Arduino boards.
- Worked alongside DOE teachers to make lesson plans catered to student progress.
- Assisted students in weekly projects based on skills taught in class.

Math/Computer Science Tutor

CUNY Tutor Corps

08/2017 – 06/2018

Brooklyn, NY

Achievements/Tasks

- Administered academic guidance and tutoring in math and computer science to middle school children, ranging from Honors to Special Education students
- Assisted students in acquiring a better understanding of targeted weak areas within a subject or a subject as a whole.
- Analyzed and maintained records of student's progress to teach individual needs.

EDUCATION

Pursing a B.A. in Computer Science

CUNY Hunter College

08/2016 – Present

Expected Graduation: May 2020

Relevant Courses Taken:

- Software Analysis and Design I & II
- Calculus I & II
- Computer Theory
- Discrete Mathematics
- Computer Architecture I & II
- Applied Statistics
- Operating Systems
- Networking

SKILLS

Proficient in C++ , Python, and SQL

Experienced with languages such as Java, JavaScript, HTML, and CSS

Team-oriented

Adaptability

Communication

Microsoft PowerPoint, Word, and Excel Proficient

PROJECTS

NYC FindIt

- Working with a team of 3 people, this application showcases multiple languages being used at once (Java, XML, C++).
- Objective of this Application is to mimic a "Lost and Found" idea created as a team.
- Using Android Studio, we created an Application that would add entries into a database, and create a search function that would allow for a user to see if what they're looking for is in the database.
- Use of Android API to use the camera function, and have the picture showcased with a search function.

Networking: Finding the Shortest Path between End Hosts

- Using the GENI website to allocate resources from a specific site, a user can remotely access any end host and be able to tell how far it is from another end host.
- Implemented the Bellman-Ford algorithm in this project using C++
- Created a script in Bash which prompts a user to input which end host they wish to access. The script would output a command that the user can use to access the end node.

Operating System: CPU Simulation

- Will prompt the user to input commands in order to simulate how a CPU functions.
- Sample commands will have a user create a process and it will automatically be put into the CPU queue. If the user decides to create another process for the CPU to execute, depending on the priority, the new process will preempt the current process.
- Showcases knowledge of classes, inheritance and Object-Oriented Programming in C++

LEADERSHIP ROLES

Events Coordinator for Hunter College Muslim Students Association (05/2019 – Present)

Responsible for coordinating all logistical aspects of weekly and monthly events, each holding up to 200 people per event.

Marketing Manager for Hunter College Muslim Students Association (04/2018 – 05/2019)

Responsible for making flyers for weekly/monthly events.