Ibnul Jahan

200 Gelston Ave Apt A1, Brooklyn, NY 11209 | 347-593-6339 | iej@andrew.cmu.edu | **GitHub**: **ibnullify**

EDUCATION

Carnegie Mellon University - School of Computer Science   Expected Graduation: May 2022
GPA: **3.31/4.00** | ***Bachelor of Science****: Computer Science (147 of 360 units complete)*
Related Coursework: *15-151 (Mathematical Foundations for CS),* **15-122** *(Principles of Imperative Computation),* **21-241** *(Matrices and Linear Transformations)*

Stuyvesant High School   Sept 2014 – June 2018
- **SAT: 1570/1600** [780 English, 790 Math] | **PSAT: 1510/1520** [750 English, 760 Math] | **GPA: 4.0**
- **AP Courses** and *Honors*: **AP Calculus BC (5), AP Computer Science A (5), AP Physics C (5 & 5), AP Macroeconomics (5), AP Microeconomics (5), AP Spanish (5), AP US Government (4), AP Human Geography (4)**
- QuestBridge College Prep Scholar, AIME Qualifier (2x), ARISTA Tutor, Big Sib, NSE Silver Medalist, Spanish Honor Society

PROFESSIONAL EXPERIENCE

Technology Summer Analyst Intern | Morgan Stanley   July 2018 – August 2018
- Designed and programmed a remote execution server for the Core Infrastructure arm of the Enterprise Tech and Risk silo
- Created a compatible environment for the MS account systems to be able to install and import custom-built packages
- Used python libraries (inspect/importlib/sys/os/subprocess) to introspect modules and navigate encrypted environments
- Built a system for hashing information, typically whole modules, and caching it to allow for efficient access and comparison

Partner Outreach Intern | Rescuing Leftover Cuisine   July 2017 – August 2017
- Transferred thousands of accounts filled with partner information from traditional storage in Excel over to Salesforce
- Facilitated the donation of hundreds of pounds of food from restaurants and tech organizations across the city to shelters
- Analyzed partner donation patterns and modeled potential outreach growth through Excel

Teaching Assistant | Summer Hacker Immersion Program (SHIP)   Summers of 2016 / 2017
- Learned (2016) and then taught (2017) the basics of programming in Processing with a Java syntax
- Used Markov chains to interpret and then imitate input text to return personalized speech
- Recreated common phone applications using a graphics engine

LEADERSHIP

Director of Organization | Stuyvesant Student Union   Sept 2015 – June 2018
- Monitored the success of apparel sales for various school events and organizations, and ultimately decide purchase amounts
- Tracked all Student Union purchases by creating dozens of spreadsheets in Excel
- Updated my team and the rest of the Student Union on changes in inventory, timelines, and resource availability

Treasurer | Stuyvesant Muslim Student Association   March 2014 – June 2018
- Managed all the money for an MSA comprised of 100+ members, with an expansive and active alumni network
- Planned out budget layouts and guidelines for the various events and competitions the members participate in over the year
- Coordinated with the Stuyvesant Alumni Association to allocate funds across apparel sales, fundraisers, and meetings

SKILLS & ABILITIES

Computing / Hackathons
- Languages/Frameworks: Python, Java, JavaScript, Flask, Processing, HTML/CSS, Latex, Bootstrap, Scheme/Racket, NetLogo
- Environments/Applications: Windows OS, Linux (Ubuntu), SQLite, MongoDB, Microsoft Office, Google Apps
- **Best Overall Hack** at Hip Hop Hacktivist with VolunTunes, an app encouraging community involvement through hit music
- **Best Hardware Hack** at LewHacks with GetOverWater, a text game built to raise awareness for the Syrian refugee crisis

Other Activities: Club Rugby, Stock Investment, MIST Nationals (Improv Theater X Short Film), Library Volunteer
Languages: Spanish, Spoken Bengali