Mohammad M. Haque

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PROFILE

Rising junior at The Heritage High School with a track record of outstanding academic achievement and leadership. Founder of the first engineering club at The Heritage High School and aspiring Engineer. Self-taught in programming fundamentals and actively involved in helping peers learn engineering concepts.

EDUCATION

The Heritage High School ‖ Expected Graduation Date: May 2017 ‖ G.P.A. 98.0/100.0 ‖ Top 1% of class

LEADERSHIP

Heritage Engineering Club (HEC) ‖ Founder and President   Jan 2015 – Present

The club's goal is to educate students and promote interest in the field of engineering. Heritage High School is a high-need school where most students have limited or no prior exposure to the STEM fields. The HEC was founded in order to help peers collaborate with one another to enable ourselves to learn code and take initiative in hosting and participating in engineering activities.

- Founded and organized HEC and coordinated weekly meetings with students and teachers
- Organized and hosted first HEC Hackathon with members
- Utilized self-taught understanding of programming to create interest in peers in order to promote an environment that supports collaborative learning
- Mentored peers in gaining a basic understanding of programming fundamentals such as HTML, CSS, using Eclipse IDE and Text Wrangler as editors
- Introduced concepts surrounding databases (using Linux commands), Kimono, FireBase and taught basics of Web Scraping API
- Mentored and worked collaboratively with peers to learn JavaScript, Java, C++, XCode, Objective C Framework and AudioBox Framework
- Introduced the basics of Arduino commands to members

EXTRACURRICULARS

All Star Code (ASC)   Summer 2015

All Star Code gives students exposure to the technology industry by providing mentorship, industry exposure, and intensive training in computer science.

- Nominated as an All Star Code Ambassador by peers for future ASC summer sessions
- Created prototype for educational game called Word Bubble with fellow students
- Presented final version of Word Bubble to panel of students, mentors, parents and tech executives
- Learned advanced concepts of Arduino boards, Python programming language, C, Kimono, JQuery, GameSalad, UI, UX etc. to work on ongoing projects
- Learned computational thinking and algorithmic problem solving
- Actively posed relevant questions to tech innovators during site-visits such as Microsoft, AIG, YouTube, DropBox, GLG, Alley NYC, Google and Dev BootCamp and Harvard Club
- Organized "Breaking Barriers Hackathon" with Young Hackers group

Double Discovery Center (DDC) at Columbia University   Spring 2015

- Attended mentoring sessions to learn basic programming skills
- Collaborated with peers to work on group projects utilizing skills learned

AWARDS, HONORS, AND MEMBERSHIPS

Honor Roll at Heritage High School   September 2014 – Present

Math Marathon – 2nd place at Heritage High School   March 21, 2015

Mamun's Tutorial   Fall 2014 - Present
Volunteered as a mentor to tutor low-income students in NYS Regents preparation and SHSAT test prep.

TECHNICAL SKILLS

- Java
- C++
- XCode
- C
- Python
- JavaScript

- AudioBox Framework
- Kimono
- FireBase
- WebScraping API
- Arduino Commands
- Objective C Framework

- HTML
- CSS
- JQuery
- Linux Commands
- GameSalad