

Mohammed Hasanul Abedin Chowdhury Rafi

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Education

University At Buffalo, The State University of New York

Fall 2020

- Major: Computer Science and Engineering, BS
- GPA: 3.3/4.0
- Coursework: Data Structure · Algorithms · Python · Scala · JavaScript · Electric circuit analysis · Programming Languages · Artificial Intelligence · Machine Learning · Operating Systems & Database systems · Statistical Analysis.

Experience

London App Brewery Boot Camp

May 2019-Present

- Built 20+ iOS app that helped Learning to work with Apple's UI Framework - SwiftUI.
- Mastered creating Augmented Reality apps using Apple's new ARKit.
- Created apps which Machine Learning uses Apple's new CoreML and mastered app design and marketing to publish apps.

NASA MAA Robotics Instructor

June-Aug 2019

- Helped 200+ High School and Middle School students to build their Arduino robot projects.
- researched & built our GPS using Python and Raspberry Pi.
- Created robots that can take orders, detect things and perform multiple tasks at the same time.

Research Foundation of CUNY

June-Aug 2019

- Researched on robots in the field of Geology.
- Understood the climate change with the students and published the research on geological change in the Gulf of Mexico.
- Worked with the robotics team to build a demo for Mars planetary robots.

Hackathons and Projects

Undergraduate Software Engineering Projects:

Aug'19-Present

- Developing prototypes of a mobile application to minimize the time required.
- Building, designing and coding for the Vex-U Robotics challenge with two new robots for 3 prospective tournaments.
- Helped Building autonomous vehicles for IGVC, creating systems by using AI and machine learning.

Big Red Hacks 2019

Sept '19

- Built an iOS App for the Smart Mailbox Using Raspberry Pi and Python that can help the user find a safe way to get mail.
- Helped Building C++ projects that aimed to help gamers while playing real-time.

NY massive evacuation Hackathon 2019 by MD5

Oct'18

- Built a drone system to create communication between wounded people in the destruction area and protective place.
- Created the elevator pitch for the newly designed drone with software combination with Google Maps.
- Used Google Cloud Platform and 3rd most innovative pitch out of 50+ competing teams.

Skills

Proficient: Java (2 year) · Git (1.5 year) · Python (2 year) · C++ (2 year) · JavaScript(1.5 year) · MATLAB(1.5 Year)

Familiar: Swift (<6 months) · MySQL(1year) · Bootstrap(1 year) · Scala(<6 months) · Flutter(1 year)

Soft Skills: Project Management · Microsoft Office · Resilient work ethic and time management skills

Linguistics: English · Bangla · Arabic · Urdu · Hindi · Punjabi

Design Skills: Adobe Photoshop · Adobe Premiere ProX · Adobe illustrator · Final Cut Pro · After Effects

Leadership Experience and Activities

- Board of Directors at UB Undergraduate Student Association, helping with the clubs funding and Social Media.
- Former Senator at Queensborough CC Student Government and Former Photographer and Editor at CSTEP.
- Soccer Captain of Cunningham Youth Soccer Team in Queens, NY
- Project Engineer at UB AIAA, UB Hyper Bull, UB IEEE, and UB Robotics.
- An Active member in UB Debate, UB Tennis, UB MSA, UB Hackathon.