HELAL CHOWDHURY

Software Engineer

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EDUCATION

New York University, Computer Engineering, B.S.

📅 Sep 2017 – (expected: May 2021) 📍 Brooklyn, NY GPA: 3.5

EXPERIENCE

IT Lead Programmer
NYU Dibner IT

📅 Apr 2019 – Ongoing 📍 Brooklyn, NY

- Program sensors and motors using Python for large-scale projects to be used in NYU Libraries to help with student interaction.
- Model PCB's and solder components such that the hardware designs can interact with the Raspberry Pi's to carry out the program.

Frontend Engineer
Design Technologies

📅 Nov 2018 – Jan 2019 📍 New York, NY

- Developed websites and UI designs using HTML5/CSS for 3 sub-companies which include ELabNYC, ABCT, DesignTechnologies.
- Utilized WordPress for content updates on third party websites, and used Jira to report bugs and errors to the site developers

Quality Assurance Analyst
Barbarian

📅 Jun 2018 – Aug 2018 📍 New York, NY

- Managed websites and updated new content for clients such as Samsung and ABInBev, for myriad desktop and mobile devices.
- Tested application features to fix front-end and back-end errors and delegated tasks to fix bugs by communicating through Jira software.

PROJECTS

Together

- An iOS app that allows users to view social events near their area to help out in, and invite friends to tag along and compete with for social good.
- Utilizes Apple's native features such as Apple Maps, and Calendar, as well as IBMs Machine Learning and Google Cloud platform.

The Parking Lot

- A system to track population density of 4 zones at NYU Dibner Library to help 1000+ students know which areas have seats available.
- Program Raspberry Pi's to work with ultrasound sensors installed in every seat to detect which seats are currently in use.

Eternity

- An iOS app that facilitates awareness of daily resource consumption by tracking users' Carbon Footprint number via AI and Machine Learning.
- Utilizes Google Cloud and Trip Advisor API to create an iOS app that helps users keep track of their food, travel, spending and utility use.

SKILLS

Programming: Proficient

Python · C++ · Swift · HTML5/CSS

Programming: Familiar

JavaScript · Java · mySQL

Software

Git · Jira · Firebase · IBM Watson · WordPress · Kubernetes · Autodesk Inventor

RELEVANT COURSES

Data Structures Algorithms Object Oriented Databases Digital Logic Networks and Signals Discrete Linear Algebra

AWARDS

JP Morgan Code For Good
First Place Overall Team

📅 Sep 2019 📍 Jersey City, NJ

IBM Code And Response
First Place Overall Team

📅 Sep 2019 📍 Ithaca, NY

Cornell Hackathon
First Place Overall Team

📅 Sep 2019 📍 Ithaca, NY

Cooper Union Hackathon
Second Place Overall Team

📅 Aug 2019 📍 New York, NY

I2e Tournament
Academic and Faculty Award

📅 May 2018 📍 Brooklyn, NY

TEDx Brooklyn Tech
Invited as a Featured Speaker

📅 Jun 2017 📍 Brooklyn, NY