

# HELAL CHOWDHURY

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## EDUCATION

### New York University, Tandon School of Engineering

Computer Engineering B.S.

GPA: 3.5

Coursework: Data Structures · Algorithms · Object Oriented · Databases · Digital Logic · Linear Algebra

Brooklyn, NY

Expected: May 2021

### Brooklyn Technical High School

GPA: 4.0

Coursework: AP Java · AP Calculus · AP Physics · AP Research · AP Economics · AP World History · AP Biology

Brooklyn, NY

June 2017

## SKILLS

**Programming:** Proficient: Python · C++ · Swift · HTML/CSS | Familiar: JavaScript · Java · SQL

**Software:** Git · Jira · Firebase · IBM Watson · WordPress · Autodesk Inventor

**Soft:** Project Management · Leadership · Public Speaking · Teamwork · Self-Motivated

## EXPERIENCE

### NYU IT Department

IT Lead Specialist

Brooklyn, NY

April 2019 – Present

- Program sensors and motors using Python for numerous projects to be displayed in NYU Library
- Model circuit boards and solder components to carry out programs installed in Raspberry Pi's

### Design Technologies

Content Manager

New York, NY

November 2018 – January 2019

- Updated the contents of websites from 3 sub-companies; ELabNYC, ABCT, DesignTechnologies
- Utilized WordPress for content updates and reported bugs and errors to the site developers

### Barbarian

Quality Assurance Analyst

New York, NY

June 2018 – August 2018

- Created websites and new content for clients, Samsung and ABInBev, for desktop and mobile devices
- Tested application features and delegated tasks to fix bugs by communicating through Jira software

### Columbia University, Department of Biomedical Engineering

Research Apprentice

New York, NY

June 2017 – August 2017

- Conducted research on the development of size-isolated microbubbles for drug delivery applications
- Presented research on Focused-Ultrasound to renowned researchers at the American Museum of Natural History

## ACTIVITIES

### HackRPI - Rensselaer Polytechnic Institute

March 2019

- Utilized Google Cloud and Trip Advisor API to create an app to compete against 60+ teams
- Developed an iOS app that facilitates awareness of daily resource consumption by tracking Carbon Footprint

### HackNYU - New York University

February 2019

- Competed with 100+ teams using API's from Google, Facebook and IBM; built with Firebase and IBM Watson
- Built an iOS app which creates an online community for the terminally ill and those battling with mental health

### I2E Tournament - New York University

January 2018 – May 2018

- Selected to be in 1 of 4 teams to create a product while exhibiting invention, innovation and entrepreneurship
- Created a water bottle which tracks water intake and temperature; displays data on an app and an LCD screen

### TEDx Speaker - Brooklyn Technical High School

June 2017

- Chosen as 1 of 3 speakers to present a talk on TEDx alongside renowned CEOs and entrepreneurs
- Presented a talk on the effects of money on happiness and its correlation to being content with life

### Hk Maker Lab - Columbia University

June 2016 – August 2016

- Won the Academic and Faculty Award out of 8 teams after presenting project to researchers at Columbia Labs
- Constructed a mouthguard that can wirelessly transmit body temperature to a handheld device