Sagar Punjabi

sagarpunjabi.me | spunjabi99@brandeis.edu

Education

Brandeis University, Waltham, Massachusetts   *Expected Graduation May 2021*

Relevant Coursework: *Operating Systems, Database Management, Data Structures, Linear Algebra*

Work Experience

Department of Youth & Community Development – Manhattan, NY   Jul – Aug 2019

Intern

- o Contributed to back office MVC application in .Net Framework by creating webpages for employees
- o Tested MVC to make sure all links and scripts worked properly and updated them accordingly
- o Collaborated with other team members to update MVC UI using Angular
- o Wrote MySQL queries to update information in database

Tech Achievement Institute – Queens, NY   Jun – Aug 2018

Teacher

- o Designed a five-day Arduino based teaching curriculum that taught students ages 8+ the foundations of computer science and engineering
- o Worked with other teachers to develop creative projects for students such as flashlight driven mini cars

Central Queens YM & YWHA – Queens, NY

Ladders for Leaders Technical Support Intern   Jul – Aug 2017

- o Introduced a department-wide script which replaced manual tabulation for reimbursement requests by creating a database of 25 common locations traveled and automated calculations to save both the department and employees time in processing requests

Microsoft – Manhattan, NY

Intern   Jul – Aug 2016

- o Programmed an informational chatbot in C# using Microsoft's Bot Framework and several APIs that interacted with clients to let them know where in the Microsoft Technology Center their meeting was
- o Presented Office 365 to prospective clients in education to demonstrate Microsoft's expanding educational tool suite

Extracurricular Experience

Raspberry Pi- Alexa Smart Blinds

Side Project   Sept 19 – Current

- o Designed and manufactured a smart home device using Raspberry Pi and Amazon's Alexa to control window blinds through a simple voice command

First Robotics

Captain   Sept 16 – Jun 2017

- o Effectively lead team of 15 to design, build and program a robot for FIRST Robotics Competition; team achieved first place in local competition and advanced to regionals
- o Meditated conversations between designers, engineers and programmers to ensure productivity
- o Contributed to programming autonomous mode of robot

Additional Information

Programming languages: Java, Arduino, Python, C#

Awards and Honors: Deis' Hacks 2019, STEM Award in leadership, Congressional App Challenge 2016, Generation Tech Audience Choice Award