Shahrez Jan

Software Engineer
http://shahrezjan.me
snjan19@bu.edu | 929.350.4775

EDUCATION

BOSTON UNIVERSITY

BA in Computer Science
Expected May 2018 | Boston, MA
Conc. in Software Engineering &
Machine Learning
College of Arts & Sciences

LINKS

Github:// **Shahrez19**
LinkedIn:// **shahrezjan**
Website:// **shahrezjan.me**
Devpost:// **shahrez-jan**

COURSEWORK

UNDERGRADUATE

Algorithms Analysis
Data Mechanics
Software Engineering
Advanced Software Systems
Data Structures & Algorithms
Machine Learning
Networks
Network Security
Distributed Systems
Computer Systems
Database Systems

COURSE PROJECTS

Mini-Google Search Engine
Virtual Risc-V processor
File Tree Walker
MyShell

SKILLS

PROGRAMMING

Proficient:
Python • C • C++• Java
Javascript • HTML5 • CSS3
Android Development
Extensive:
Golang • Haskell
MySQL • PostgreSQL

TECHNOLOGIES

LIBRARIES & SERVICES

Node.js, Angular.js, Express.js,
MongoDB, Numpy, Flask, Git,
AWS, D3.js, Plotly.js, LaTeX

EXPERIENCE

MOVED | Software Engineer Intern | June - August 2017

New York City

- Worked on creating a Real-Time Analytics Dashboard to collect statistics and track user behaviour. Replaced Proprietary Software with this Web Application.
- The Dashboard is able to execute PostGreSQL and Google Analytics Queries and display the Visualization as Charts, Tables and Segmented Funnels.
- Utilized: **Plotly.js, D3.js, Angular.js, Python, PostgreSQL** .

FLORENT AI | Software Engineer Intern | May-August 2016

New York City

- Worked as a Natural Language Processing Engineer to build Bots for geo-location events. The purpose of the project was to implement a bot that could help users attend events they would be interested in and help event organizers with event planning. Utilized: **Neo4j, Mindy NLP Engine, Twilio** .

PROJECTS

IMITATIONGA.ME | Award-Winner at Codestellation

Brandeis University 2016 | Waltham, MA

- Collaborated in 5-member team to create a chat room where all users are anonymous and the goal of the project is to simulate the Turing test by making users figure out who is the chat bot.
- This is meant to be a platform for businesses/programmers to test the effectiveness of their bots.
- The web application is written using the **MEAN** stack.

TEXT2IMAGE | Award-Winner at Hackholyoke

Mount Holyoke College 2015 | South Hadley, MA

- Collaborated in a 4-member team to create a chrome extension that turns the keywords of a website into images, allowing dyslexic people to have an easier time navigating the web.
- Utilized the Indico Keyword API in Python to generate the important keywords of different bodies of text after cleaning text of unneeded punctuation marks.
- Created the chrome extension to take in an input of text and process it through our cleaning and keyword system built using **Flask** and **JavaScript** .

COMPUTER CONTROLLED CAR | & Raspberry pi Webserver

Boston University Fall 2016

- Collaborated in a 3-member team to make a Computer Controlled car capable of being controlled from long distances using a Raspberry pi & Arduino.
- We wrote a web server in C that was hosted on a raspberry pi, the Raspberry pi controlled the Arduino through i2c which in turn controlled the motors.
- The orders were transmitted wirelessly by a computer to the Raspberry pi.

THEREMIN | BostonHacks

Boston University 2015 | Boston, MA

- Collaborated in a 3-member team for 24 hours at the BostonHacks to create an Android app that uses wrist movements to generate music.
- Used the accelerometer on the Microsoft Band to translate rotations of the wrist to different frequencies that corresponds to the musical scale.