

# Shahrez Jan

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## 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,  $\text{\LaTeX}$

## 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 behavior. 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 geolocation 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**, **Twilio**.

## PROJECTS

### IMITATIONGA.ME | AWARD-WINNER AT CODESTELLATION

Brandeis University 2016 | Waltham, MA

- Collaborated with 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 with 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 WEB SERVER

Boston University Fall 2016

- Collaborated with 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 with 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 correspond to the musical scale.