Shahrez Jan

Computer Scientist & Software Engineer
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EDUCATION

BOSTON UNIVERSITY

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

LINKS

Github:// **Shahrez19**
LinkedIn:// **shahrezjan**
Website:// **shahrez19.github.io**

COURSEWORK

UNDERGRADUATE

Algorithms Analysis Data Mechanics
Software Engineering Advanced Software Systems
Data Structures & Algorithms
Probability in Computing
Network Security
Fundamentals of Computing Systems
Distributed Systems
Concepts of Programming Languages
Computer Systems
Combinotoric Structures

COURSE PROJECTS

MyShell - Implementation of shell
Mini-Google - created a search engine File Tree Walker - Created a file tree walker
Risc-V - Created a Virtual Risc-V processor

SKILLS

PROGRAMMING

Proficient:
Python • C • C++• Java
Javascript • Android Devlopment • iOS Development
Extensive:
Haskell • HTML/CSS
PHP • Assembly • MySQL

TECHNOLOGIES

MISCELLANEOUS

Node.js, React.js, Flask,
Linux/UNIX, Git, AWS, MongoDB ,
QT , MEAN , LAMP, LaTeX

EXPERIENCE

FLORENT AI | Software Engineer Intern

- 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 and Mindy NLP Engine and Twilio.

GLOBAL APP INITIATIVE | Mobile Application Development Club

Boston University 2014-present

- Leader of a team of 7 students.
- Worked on building an iOS app that will help engineers without border connect with the local population of their operations better.

SELECTED PROJECTS

IMITATIONGA.ME | Award-Winner at Codestellation

- Collaborated in 5-member team to create a web platform to test bots against users. The goal of the project is to simulate the Turing test. 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 for 24 hours at the HackHolyoke Hackathon to create a chrome extension that turns the keywords of a website into images, allowing dyslexic people to have an easier time understanding.
- 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 2016-present

- Collaborated in a team of 3-member team to make a Computer Controlled car capable of being controlled from long distances using an Arduino and Raspberry pi. 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 a Raspberry pi.

THEREMIN | BostonHacks

Boston University 2015 | Boston, MA

- Collaborated in a 3-member team for 24 hours at the BostonHacks Hackathon 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 by converting the frequencies into a 16-bit PCM sound array.
- Linked the functionality and the UI of the app together and helped design the user interface with Java and XML in Android Studio that generates musical notes and displays the name of each note for the user with the audio media library.