Shahrez Jan

Computer Scientist & Software Engineer
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EDUCATION

BOSTON UNIVERSITY

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

LINKS

Github:// **Shahrez19**
LinkedIn:// **shahrezjan**
Website:// **shahrezjan.me**

COURSEWORK

UNDERGRADUATE

Advanced Software Systems
Data Mining
Fundamentals of Computing Systems
Distributed Systems
Concepts of Programming Languages
Computer Systems (Future Research Asst.)
Combinotoric Structures

SKILLS

PROGRAMMING

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

HACKATHONS

BostonHacks
HackHolyoke (Award-Winner)

TECHNOLOGIES

MISCELLANEOUS

Node.js, React.js, Flask, Linux/UNIX, Git, AWS, MongoDB

STACKS

MEAN
LAMP

EXPERIENCE

FLORENT.AI | Software Engineer Intern

- Worked on Natural Language Processing in building Bots for a geo-location events. Website:// **meetflorent.co**

SELECTED PROJECTS

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.

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.

RISC V PROGRAMMING | Computer Systems, Class Project

- Collaborated in 2-member team to create a virtual RISC V processor for a school project.
- The framework for the RISC V simulator was laid out in the RISC V Instruction Set Architecture.
- Wrote the whole simulator in C. The challenging part of the assignment was understanding all the details involved in an actual RISC V processor.

ORGANIZATIONS

BUILDS | Undergraduate Cybersecurity Club

Boston University 2015-present

- Member of the Undergraduate Cybersecurity Club.
- The group works to train undergraduate computer science students in current cybersecurity techniques to make future engineers who are more agile and resilient against threats from black-hat hackers.

GLOBAL APP INITIATIVE | Mobile Application Development Club

Boston University 2014-present

- Worked as a Android Application development Engineer.
- Worked on building android apps with team members for different businesses around the Boston area.