

Mehul Jain
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EDUCATION

University of Texas at Arlington

Bachelor of Science in Computer Science (Expected-May 2019)

Cumulative GPA: 3.63

PROJECTS

Uroom: Roommate Search App

2017

- Developed an Android application to search/filter potential roommates for campus housing. Used Android studio for the mobile application development and Google's firebase database to store and manage user profiles and preferences.
- Rated the best project for the class and forwarded to the StartUp lounge at UTA for further marketing and expansion of the app.

SpeedChain

2017-2018

- Developing an algorithm to optimize the transfer of Cryptocurrencies on various platforms such as Coinbase, Binance etc.
- Aiming to reduce the slow transaction times during peak Blockchain congestion.

Robot-Robbie Shop

2016

- Led a team of 4 students to develop an object-oriented C++ based application to manage a robot shop. Available using both GUI and console, the application enables creating robot parts, building custom robot, generating sales reports, order history, etc. Used Github for code management.

RELEVANT COURSEWORK

Artificial Intelligence, Software Testing and Maintenance, Operating Systems, Databases, Algorithms and Data Structures, Discrete Structures for Computer Science, Agile processes and Scrum, Object-oriented programming, Graphical User Interface.

SKILLS/EXPERIENCE

Languages: C/C++, Python, Java, HTML, PHP

Databases: MySQL, SQLite

IDE: Visual Studio, Eclipse, Netbeans, AndroidStudio

Repositories: Git, Code cloud, GitHub, Bitbucket

Operating Systems: Ubuntu Linux, Windows 7,8,10, MacOS

Frameworks and other services: Blockchain Technology, Android Development, Agile processes (Scrum Framework), AWS, JSON, Firebase

WORK EXPERIENCE

- **Research Assistant** **2018-Current**
Developing an algorithm to improve buffer cache performance and finding a replacement for the LRU algorithm. Working with a team of 2 PhD students under the guidance of Dr Song Jiang, Professor, University of Texas, Arlington.
- **Software Development Intern, Repmonk, Santa Clara, CA** **Dec,2017-Jan,2018**
Developed an Android and iOS app integrated with an online database and a local database that acts as an extension for IoT devices which aids fitness centers and fitness fanatics in tracking their gym workout sessions in an innovative and precise way. Available on Apple AppStore "Arnie".
- **Meetup: Understanding Blockchain** **2018-Current**
Founded a meetup for Blockchain enthusiasts in the DFW area. Have gathered over 40 crypto and Blockchain fanatics in under two months and have held successful meetings every week for learning and enhancing skills in this technology.
- **University Tutorial and Supplemental Instruction Mentor** **2017-Current**
Administer and monitor a group of SI Leaders who assist over 500+ students in their respective courses by assessing their problems and needs resulting in increasing no. of SI Leaders on Campus and better student grades.

AWARDS AND ACHIEVEMENTS

- Awarded Presidential Charter scholarship and out-of-state fees exemption from UTA for a perfect SAT and ACT score.
- Member of the prestigious Leadership Honors Program at UTA.
- Mentor at UTA Excel Campus Activities, The Big Event.

CERTIFICATIONS

- Coursera: Introduction to Python, Using Python to access web data, Python Data Structures, Using Databases with Python, SQL Programming (In progress).