

Nabil Zubair

SOFTWARE ENGINEER

Austin, TX

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Education

The University of Texas at Austin

Austin, TX

B.S. COMPUTER SCIENCE | 3.80 GPA

Aug. 2017 - May 2021

Relevant Coursework:

- Data Structures and Algorithms
- Computer Organization and Architecture
- Introduction to Programming
- Discrete Math

Research

The University of Texas at Austin College of Natural Sciences

Austin, TX

UNDERGRADUATE RESEARCHER | AUTONOMOUS INTELLIGENT ROBOTS

Jan. 2018 - May 2018

- Designed and developed autonomous robots that work together to aid people in the Gates Dell Complex
- Read multiple robot/AI related research papers to broaden knowledge and learn about modern advancements in the field
- Learned about and utilized real-time computing and AI algorithms

Projects

More projects available at <http://nabilzubair.me>

Weather Today

PYTHON/JAVASCRIPT APPLICATION

- Sends daily texts to users regarding the weather(temperature, precipitation, etc.) at their location
- Utilized Firebase and Twilio's API to send texts and store user information of those who have subscribed to the service

Huffman Coding

JAVA APPLICATION

- Compresses files using lossless data compression (Huffman coding)
- Decompresses files that were previously compressed to return to original state
- Files are usually compressed by 30%, some by more than 50%

FortniteWins

JAVASCRIPT APPLICATION

- Utilized the API of the popular game "Fortnite" to display the statistics of a user input name
- Implemented statistics such as wins, kills, and a unique algorithm to rank players in each region

Derivelt

ANDROID APPLICATION

- Developed an application that calculates the derivative of a term or expression
- Implemented optical character recognition (OCR) to use pictures as a form of input

Experience

Six Flags

Arlington, TX

RIDE OPERATOR

Jun. 2017 - Aug. 2017

- Facilitated a fast and safe environment by loading and unloading guests on rides in a safe and cautious manner
- Operated rides and ensured all safety procedures were met

Hurricane Harbor

Arlington, TX

TEAM MEMBER (FOOD SERVICE)

Jun.2015 - Aug.2015

- Took orders and served guests in a friendly and timely manner; won award for excellent customer service
- Facilitated park operation by constantly keeping the park clean and guiding guests

Skills

Languages Java, Python, C

Front-End JavaScript, HTML, CSS

Other Git, LaTeX, Android Studio, XCode, .NET, Bash, Linux