

Zaid Motiwala

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EDUCATION

University of Texas-Dallas, School of Engineering, Richardson, TX
Bachelor of Science, Computer Science
GPA: 3.6/4.0

Expected May 2024

Clements High School, Sugar Land, TX

June 2020

Awards: National AP Scholar, Academic Excellence

Relevant Courses: Data Structures and Algorithms, Operating Systems, Computer Architecture, Linear Algebra, Discrete Math 1, Discrete Math 2, System Programming in UNIX, Probability and Statistics in CS, Computer Programming 2

PROJECTS

Dutch Solitaire

- Developed a Java based desktop game using the Java graphics library while also implementing game theory and various algorithms in the objects implemented.
- The goal of this game is to an assortment of randomly laid out cards and swap them based on rules to put the cards in order by suit and number.

Financial Tracker

- Using Python and SQL, I created a desktop application which takes in financial data input by the user and gives financial information which could then be used to make accurate financial decisions.
- Python was used to create the framework of the desktop app while SQL was used to manage the data into a database for whichever user had information.

Website Portfolio

- I used HTML, CSS, and JavaScript to create a website portfolio to showcase myself.
- The website showcases my accomplishments and has been optimized for cross-platform usage.
- HTML and CSS were used to create the outer framework of the website while JavaScript was used to create the movements and functions involved on the website.

WORK EXPERIENCE

iDTech, Instructor

Sept. 2020 – May 2022

- I taught a group of about 30+ students ranging from ages 6-17 python and java where they created their own projects and implemented advanced Java and Python concepts including OOP principles, algorithms, machine learning, data structures, and graphics.

Dar-ul Madinah, Administrator and Technological Manager

May 2017 – Mar 2020

- I was an administrator for a weekend school which taught children about everyday life and religion. My role was to help set up programs and create programs that the kids could utilize in their classes as way of making the classrooms more interactive. The programs created were generally made from excel script and Java graphics.

Sharetea, Barista

Sept. 2021 - current

- I am employed to manage the work area of a team of 2-3 people where we run a café while I make sure that everything is up to the condition needed.

SPECIALIZED SKILLS

Object Oriented Programming (Advanced Python, Advanced Java, C++); Excel

Programming Languages: Java, Python, C++, SQL, HTML, CSS, JavaScript, Git