Zaid Motiwala

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EDUCATION

University of Texas at Dallas   Richardson, TX
Bachelor of Science in Computer Science   *Aug. 2020 – May 2024*
- GPA: 3.6/4.0
- Relevant Courses: Data Structures and Algorithms, Operating Systems, Database Systems, Computer Architecture, Linear Algebra, Discrete Math 1, Discrete Math 2, System Programming in UNIX, Probability and Statistics in CS, Artificial Intelligence, Digital Logic and Computer Design, Introduction to Machine Learning, Computer Networks, Automata Theory, Programming Language Paradigms, Advanced Algorithm and Analysis, Software Engineering

WORK EXPERIENCE

Software Engineer Intern   June 2023 – Aug. 2023
J.P. Morgan Chase & Co.   *Plano, TX*
- Developed a full-stack web application for application data manageability for 10,000+ employees using React, PostgreSQL, and Springboot
- Implemented REST APIs using Springboot to retrieve and send data to an AWS Aurora Database allowing users to easily manage data
- Improved accessibility efficiency from user and application ends
- Provisioned a database within team's AWS cluster to store and access data

Instructor   Sep. 2020 – May 2022
iD Tech   *Sugar Land, TX*
- Taught Python and Java to a group of 30+ students ranging from ages 6-17
- Helped students create their own projects and implement advanced concepts including OOP principles, algorithms, machine learning, data structures, and graphics

Administrator and Technological Manager   May 2017 – Mar 2020
Dar-Ul-Madinah   *Sugar Land, TX*
- Administrated at a weekend school which taught children about everyday life and religion
- Lead employees to collaborate to create applications and structure events throughout the program
- Developed applications using Java graphics and excel script that students utilized in their classes to make them more interactive

PROJECTS

Financial Tracker, Independent Project | *Python, React, SQL, FastAPI*   May 2023 – Present
- Developed a full-stack web application using FastAPI as the RESTful API and React as the frontend of the application
- Visualized data to track finances input by the user to make more accurate financial decisions
- Implemented OAuth authentication to keep user information secure

Pacman Capture the Flag, Course Project | *Java, Java Graphics, Machine Learning*   Mar 2023 – May 2023
- Developed various strategic algorithms to beat other teams' algorithms in getting the most points from Pacman's calculated decisions
- Used and researched various concepts including BFS, DFS, Heuristics, Monte-Carlo Tree, and Machine Learning
- Came 8th out of 45 teams

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL, JavaScript, Typescript, HTML, CSS, Machine Learning/AI
Frameworks: React, Node.js, JUnit, Material-UI, Springboot, AWS, Maven
Developer Tools: Git, VS Code, Visual Studio, IntelliJ, Eclipse
Libraries: pandas, NumPy, Matplotlib, PyTorch, Tensorflow, Keras
Other: Agile Methodology, Communication, Teamwork