TAREQ ALYOUSEF

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EDUCATION

University of Memphis (Honors College)   August 2019 - Present
- B.S. in Computer Science
- Minor in Mathematics
- Concentration in Data Science
- Overall GPA: 3.94

STRENGTHS

Technical Skills	C#, Java, Python, Django, Ruby on Rails, Unix, HTML, CSS, JS, LaTeX
Databases	MySQL, PostgreSQL
Software	Unity3d, Blender, GIMP, Bash
Languages	English, Arabic

WORK EXPERIENCE

iD Tech Camps   May 2021 - Present
STEM Instructor   *Remote*
- Taught game design with Unity3d/C# and 3D modeling with Blender as a private instructor
- Demonstrated ability to break down complex topics to an inexperienced audience

Hanz Oil, Inc   May 2016 - Present
Database Administrator   *Memphis, TN*
- Managed a MySQL database containing prices of product and sales
- Created financial reports to control inventory and pricing

PERSONAL PROJECTS AND ACTIVITIES

Backtester   December 2020
- Designed a software for testing trading strategies using C#
- Used AlphaVantage for data collection, ScottPlot for data visualization, and WPF for UI framework
- Backtested dozens of strategies ranging from mean reversion, pairs trading, and price action

Algorithmic Trading   March 2020 - Present
- Deployed live trading bots on Alpaca using C#
- Fetched live data by reading JSON objects from Polygon

Multiplayer Game   June 2016 - Present
- Designed a server-authoritative multiplayer game using C# and Unity3d
- Modeled, textured, and animated entities with Blender and GIMP
- Stored player settings and information using JSON objects
- Implemented full client-side prediction and server-side reconciliation

Personal Website   March 2021
- Designed personal portfolio using Ruby on Rails, HTML, CSS, and JS
- Hosted website data using PostgreSQL with Heroku

FTC Robotics Competition   January 2017
- Programmed both an autonomous and driver-controlled robot using Java
- Lead a programming team that won 1st place at a tournament