

TAREQ ALYOUSEF

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EDUCATION

University of Memphis (Honors College)

August 2019 - Present

- B.S. in Computer Science
- Minor in Mathematics and Statistics
- Concentration in Data Science
- Overall GPA: 3.94

STRENGTHS

Technical Skills

Java, C#, Python, Ruby, Unix, HTML/CSS/JS, L^AT_EX

Databases

MySQL, PostgreSQL

Software

Unity3d, Blender, GIMP, Bash

Languages

English, Arabic

WORK EXPERIENCE

Hanz Oil, Inc

May 2016 - Present

Database Manager

Memphis, TN

- Managed a MySQL database containing prices of product and sales
- Created reports to control inventory and pricing

PERSONAL PROJECTS AND ACTIVITIES

Backtester

December 2020 - Present

- Wrote a Backtester for trading strategies in 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 using C#
- Fetched live data by reading JSON objects from Polygon

Multiplayer Game

June 2016 - Present

- Designed server-authoritative multiplayer game using C# and Unity3d
- Modeled, textured, and animated entities with Blender3d and GIMP
- Stored player settings and information using JSON objects
- Hosted game servers using Microsoft Azure
- Implemented full client-side prediction

Personal Website

March 2021

- Designed personal portfolio using Ruby on Rails, HTML/CSS/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