

# TAREQ ALYOUSEF

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## EDUCATION

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### University of Memphis (Honors College)

August 2019 - Present

- B.S. in Computer Science, Pre-med
- Minor in Mathematics
- Concentration in Data Science
- Overall GPA: 3.94

## STRENGTHS

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### Technical Skills

Java, C#, Python, Ruby, Unix, HTML, CSS, JS, L<sup>A</sup>T<sub>E</sub>X

### Databases

MySQL, PostgreSQL

### Software

Unity3d, Blender, GIMP, Bash

### Languages

English, Arabic

## WORK EXPERIENCE

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### Hanz Oil, Inc

May 2016 - Present

*Database Manager*

*Memphis, TN*

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

## PERSONAL PROJECTS AND ACTIVITIES

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### 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
- Hosted game servers using Microsoft Azure
- Implemented full client-side prediction

### 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