

# TAREQ ALYOUSEF

(901)468-8456 ♦ tareqalyousef.com ♦ thlyusef@memphis.edu

## WORK EXPERIENCE

---

### Wolverine Trading

*Software Engineer Intern*

June 2022 - August 2022

*Chicago, IL*

- Incoming C#/C++ Software Engineer Intern for Summer 2022

### Amazon

*Software Development Engineer Intern*

January 2022 - April 2022

*Seattle, WA*

- Worked in a team for AWS that builds core distributed computing algorithms for various services
- Created a data visualization tool for hosts in a distributed computing system in a full-stack environment
- Demonstrated ability with ReactJS, Redux, NodeJS, GraphQL, and Java

### iD Tech Camps

*Private Instructor*

May 2021 - August 2021

*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

## STRENGTHS

---

### Languages

C#, C/C++, Java, Python, HTML, CSS, JS/TS

### Frameworks

Ruby on Rails, ReactJS, NodeJS, NextJS, Django

### Databases

MySQL, PostgreSQL

### Software

Unity3d, Blender, GIMP, Bash

### Development

Unix, Git

## PERSONAL PROJECTS AND ACTIVITIES

---

### Algorithmic Trading

March 2020 - Present

- Deployed live algorithmic trading strategies using C#
- Fetched data by reading JSON objects from Polygon
- Successfully traded a parameterless algorithm using OECD data with 25% CAGR and >2 Sharpe Ratio

### 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

### Unity3d Game

June 2016 - Present

- Designed a server-authoritative, multiplayer game using Unity3d and C#
- Modeled, textured, and animated entities with Blender and GIMP
- Implemented full client-side prediction and server-side reconciliation

### Personal Website

March 2021

- Designed personal portfolio using a static site generation from Node.js
- Built website using ReactJS, NodeJS, and NextJS

## EDUCATION

---

### University of Memphis (Honors College)

August 2019 - May 2023

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