

# TYLER J. PEZZA

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## EDUCATION

**Brown University – Providence, RI**

**Anticipated Graduation: May 2026**

**B.S. in Mathematical Finance | B.A. in Computer Science | GPA: 3.92/4.0**

- **Relevant Finance Courses:** Corporate Finance, Investments, Financial Engineering, Financial Accounting, Behavioral Finance, Applied Econometrics, Statistics, Intermediate Micro/Macroeconomics, Business Management
- **Relevant Computer Science Courses:** Data Science, Machine Learning, Data Structures and Algorithms, Software Engineering, Foundations in AI, Discrete Structures and Probability, Linear Algebra, ODEs, PDEs

**Phillips Exeter Academy - Exeter, NH**

**September 2021 - June 2022**

**Udemy - Excel: Financial Modeling and Valuation**

**May 2024**

- Completed 20 hour online course focused on advanced Excel skills and financial applications

**Udemy - SQL Bootcamp**

**December 2024**

- Completed a 7-hour online course focused on building a strong foundation in SQL and MySQL

## WORK EXPERIENCE

**Parkave Capital Group - Software Development | Remote**

**June 2024 - August 2024**

- Analyzed data on 390 US commercial real estate markets using Python and Excel and presented results of top markets
- Researched existing technologies and reported what potential tasks Parkave's clients could complete more efficiently with AI
- Delivered code for beginnings of 'ParkaveOS', incorporating OpenAI's API to allow users to upload and "talk" with pdfs

**Amba - Co-Founder | App Development and Business Strategy | Remote**

**April 2023 - Present**

- Creating an IOS app connecting businesses and influencers in a 'marketplace'
- Developing frontend screens in Xcode
- Performed industry and customer research as well as market and competitive analysis

**Del's Lemonade – Sales/Truck Driver | North Kingstown, RI**

**August 2020 - August 2024**

- Increased sales of lemonade by establishing new sales accounts and maintaining positive relationships with current customers
- Managed and organized inventory deliveries, and ensured stock was fresh and ready for customer consumption

**Wickford on the Water – Food Runner/Busser | North Kingstown, RI**

**June 2019 – August 2019**

- Ensured food orders were prepared and plated correctly; partnered with other staff to help as needed
- Coordinated timing of dishes and delivered them to appropriate tables, ensuring customer's food arrived as expected

## PROJECTS

**Del's Lemonade IOS Application**

**August 2024 - Present**

- Developing an IOS app for Del's lemonade to provide more communication with customers
- Implemented a live map of truck locations which can be updated by employees through their specific account logins
- Designed frontend in XCode and implemented user authentication, notifications, and data storage with Google Firebase

**AlphaGo Agent**

**December 2024**

- Implemented an intelligent AlphaGo agent by combining deep learning-based heuristics with advanced search algorithms
- Utilized PyTorch to build a value network and learn a policy to analyze any given game state
- Used Monte Carlo Tree Search with the policy for simulation and alpha-beta pruning with the value network as a heuristic

**Katronics Technologies**

**June 2024**

- Delivered reusable code to greatly speed up quarterly summary of fulfilled quotes, replacing the previous manual summary
- Used pandas and python-docx libraries to break down quotes from Word documents into a dataframe, and then output desired summary of quotes to an easy to read Excel spreadsheet

## LEADERSHIP & COMMUNITY ENGAGEMENT EXPERIENCE

**Brown University Varsity Football – NCAA Division I Student-Athlete | Providence, RI**

**September 2022 - Present**

- Competing as a wide receiver on the Brown University Football Team
- Devote 25+ hours a week to: practice/training, film sessions, meetings, games, travel, and community service

**Crossroads Rhode Island | Providence, RI**

**June 2020 - August 2023**

- Volunteered in the preparing, assembly, and distribution of lunches to the underprivileged community
- Distributed lunches every Sunday during the summer with my church group

## SKILLS & INTERESTS

- Java, Python (Pandas), SQL, C (Stata), Javascript/Typescript/React, HTML, CSS, SwiftUI/UIKit, Google Firebase, Matlab
- Proficient in Excel, Word, PowerPoint
- **Interests:** Skiing, Surfing, Playing Guitar, Golfing, Hiking