

# TYLER J. PEZZA

[WWW.LINKEDIN.COM/IN/TYLERPEZZA](https://www.linkedin.com/in/tylerpezza) • (401) 829-7644 • [TYLER\\_PEZZA@BROWN.EDU](mailto:TYLER_PEZZA@BROWN.EDU) • [HTTPS://TYYPEZZA.GITHUB.IO/](https://tyypezza.github.io/)

## EDUCATION

**Brown University – Providence, RI**

**Anticipated Graduation: May 2026**

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

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

**Phillips Exeter Academy - Exeter, NH**

**September 2021 - June 2022**

## SKILLS

- Java, Python (Pandas), C (Stata), Javascript/Typescript/React, HTML, CSS, SwiftUI/UIKit, Google Firebase, Matlab
- Frontend development, Mobile development
- Proficient in Excel, Word, PowerPoint

## WORK EXPERIENCE

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

**June 2024 - August 2024**

- Performed data analysis using Python and Excel on 390 commercial real estate markets within the US 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

## 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

**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 a easy to read Excel spreadsheet

**Alpine Advisor**

**November 2023 - December 2023**

- Worked in a team of 4 to design a website that could be used to rank ski resorts according to a user's preferences
- Wrote a ranking algorithm, allowing a user to set weights and values to different parameters to calculate their "best" resorts
- Used an API to find ski resort data, and then created an API through Java to pass data to the frontend

**Adversarial Games**

**September 2024**

- Implemented a bot to play any adversarial game, specifically implementing a fully playable Tic-Tac-Toe and Connect 4
- The bot can use minimax or alpha-beta pruning, with any desired search depth
- Wrote heuristics used by the bot's algorithm to score game states when an end state was not reached

## 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

## CERTIFICATES & INTERESTS

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

**May 2024**

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

**Interests:** Skiing, Surfing, Playing Guitar, Golfing, Hiking