

# Trent Ho

228-271-2360 | [trentho2010@gmail.com](mailto:trentho2010@gmail.com) | Austin, TX 78705 |

<https://trentho.vercel.app> | <https://github.com/trentho>

## EDUCATION

<b>The University of Texas at Austin</b> , Austin, TX	05/2024
<i>Bachelor of Science in Computer Science</i>	GPA 3.2
<ul style="list-style-type: none"><li><b>Relevant Coursework:</b> Operating Systems, Computer Architecture, Algorithms and Complexity, Software Engineering, Cloud Computing, VR Game Development</li></ul>	

## TECHNICAL SKILLS

**Programming Languages:** Proficient - Java, C, C++, Python; Familiar - JavaScript, TypeScript, React, HTML/CSS

**Frameworks/libraries/tools:** React, NextJS, TailwindCSS, Docker, Git, Jenkins, Kubernetes, Postman, AWS, Google Cloud

## PROJECTS

### Anime Success Predictor: A Machine Learning Approach to Forecast Anime Ratings

- Initiated a project with the goal of predicting anime ratings based on features like genre and episode count. Cleaned and preprocessed a large MyAnimeList anime dataset, employing data exploration techniques for enhanced understanding. Innovated a feature extraction method by identifying top-ranked animation studios and applied one-hot encoding for categorical variables. Developed a total duration feature based on episode count and length. Constructed and compared multiple regression models (Linear Regression, Random Forest, Support Vector Machine, XGBoost) for anime score prediction, utilizing k-fold cross-validation for model evaluation and achieving improved performance metrics in terms of Mean Squared Error and  $R^2$  score.

### Find A Car For Me Website

- Developed FindACarForMe, a location-based car analysis platform using Javascript, AWS, Docker, and React. Implemented a restful API via Postman for user-friendly car research and browsing. Integrated diverse data sources for comprehensive car comparisons, providing data-driven insights for informed purchases. Enhanced user experience through intuitive interface design.

### Picto-Mancers: A Magic Spell VR Game

- Collaborated with peers using Unity to develop Magic Duel, a multiplayer VR game featuring a pattern-recognizing AI that allows players to cast spells by drawing shapes to attack their opponents. Designed and implemented the game's spells from scratch, creating a diverse array of attack and defense options for players to utilize. Created multiple maps for the game, providing a variety of environments for players to engage in magical duels. Demonstrated strong teamwork and problem-solving skills while working on Magic Duel, resulting in a successful and engaging multiplayer VR game.

## EXPERIENCE

<b>Austin FC</b> , Austin, TX	03/2023 - Current
<i>Retail Associate</i>	
<ul style="list-style-type: none"><li>Delivered exceptional customer service by greeting and assisting customers, ensuring their satisfaction.</li><li>Managed inventory and maintained store appearance through restocking shelves, unloading shipments, and organizing stock room for efficient operations.</li></ul>	
<b>Hilltop Community Assistant</b> , Austin, TX	06/2022 - Current
<i>Community Assistant</i>	
<ul style="list-style-type: none"><li>Coordinate move-ins, move-outs, and address tenant inquiries to ensure high service satisfaction.</li><li>Manage building maintenance issues, conduct tours for potential tenants, handle leasing inquiries, and assist with office tasks and on-call duties as required.</li></ul>	

## LEADERSHIP & COMMUNITY INVOLVEMENT

<b>Delta Upsilon Fraternity</b> , Austin, TX	08/2022 - Present
<i>Member</i>	

- Actively participating in philanthropy events, including the sale of Peace Teas to support GSI and their efforts in building schools in Jamaica.
- Helped organize various brotherhood events such as movie nights, campfires, and other fun activities to strengthen the bond and sense of community within the fraternity.
- Demonstrated a commitment to giving back and making a positive impact in the community through consistent involvement in philanthropy events and other charitable initiatives.

**Club and Intramural Soccer, Austin, TX**

**08/2020 - Present**

*Team Captain*

- Demonstrated leadership as team captain, fostering team chemistry and effectively articulating player concerns during team meetings for resolution.
- Exhibited strong teamwork by contributing to the team's success, leading to four consecutive playoff appearances in UT Intramural Soccer.

**Interests**

---

Software Engineering, Web development, UX/UI design, Soccer, Volleyball, Video Games, Music Production