

# KEN ZHANG

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## EDUCATION

<b>The University of Texas at Austin</b>	Bachelor of Science in Electrical Engineering, Computer Engineering Tech Core: Software Engineering & Design Overall GPA: 3.65 Relevant Coursework: Discrete Math, Data Structures, Algorithms, Linear Algebra, Probability, Digital Logic Design	May 2024
<b>Clear Lake High School</b>	High School Diploma	May 2020

## EXPERIENCE

<b>TA for EE319K – Undergraduate Teaching Assistant; Austin, TX</b>	Jan 2022 - May 2022
<ul style="list-style-type: none"><li>• I TA for introduction to embedded systems, where we went over debugging techniques and the connection between hardware and software.</li><li>• I conducted office hours and lab checkouts in-person with students on a 10 hr/week basis.</li><li>• Class was over assembly and C.</li></ul>	

## ACADEMIC PROJECTS

<b>Server-Client Auction House – Built in Java</b>	Fall 2021
<ul style="list-style-type: none"><li>• Built using java and designed with javafx, implements multithreading and sockets.</li><li>• Server stored on an AWS EC2 instance; client can connect through an IP address.</li><li>• Multithreading to ensure that multiple clients can connect to the server at the same time, allowing for realistic bidding in real time.</li></ul>	
<b>Personal Website – Built in React</b>	Fall 2021
<ul style="list-style-type: none"><li>• Personal Website consists of my personal experience, such as university, hobbies, and personal projects.</li><li>• Built using react and styled with CSS.</li></ul>	
<b>Wordle Solver – Built in Python</b>	Fall 2021
<ul style="list-style-type: none"><li>• Given the Word List found in wordle's sources, analyzes the list plus user input to find the most likely answers.</li><li>• Determines words based on letters of fixed and nonfixed position given by user input.</li><li>• Ignores possible solutions that can't be answers, based on words that can only be solutions.</li></ul>	
<b>Research Lab Website – Built in HTML/JavaScript/PHP</b>	Summer 2022
<ul style="list-style-type: none"><li>• Full stack project that uses JavaScript for web development and PHP for server-side.</li><li>• Utilizes PHP in conjunction with SQL to save files uploaded for the owner to view privately.</li><li>• Avoids SQL injection using MySQL prepare statements.</li><li>• Uses jQuery and Ajax to allow for PHP to run upon client-side interaction.</li></ul>	

## ADDITIONAL INFORMATION

**Computer Skills:** Java, Python, C++, React, HTML, JavaScript, PHP

**Interests:** Fullstack

**Work Eligibility:** Eligible to work in the U.S. with no restrictions