

Zohair Khan

Motivated Senior CS Student looking for Software Engineering Internships
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EDUCATION

- Metropolitan State University** St. Paul, MN
 - Bachelor of Science in Computer Science* *Expected Dec. 2024*
 - Relevant Coursework**
 - Machine Architecture & Organization, Algorithms & Data Structures, Object-Oriented Design & Implementation, Database Management Systems, Networks & Security, Organization of Programming Languages, Computational Linear Algebra, Discrete Mathematics, Probability & Statistics, Technical Writing, Operating Systems (Spring 2024)*

SKILLS

- Programming Languages:** Proficient with Java, Python, C, C++. Entry-level with JavaScript, HTML/CSS, Bash, Perl, LISP, & Prolog.
- Databases:** Proficient with MySQL, SQLite, JDBC, and creating relational database schema.
- Software Development:** Version Control/Git, Technical Writing
- Soft Skills:** Attention to Detail, Problem Solving, Teamwork/Collaboration, Technical Communication

EXPERIENCE

- Math & ACT/SAT Prep Tutor** Minneapolis, MN
 - Self-Employed* *July 2020 - Present*
 - Provide personalized tutoring sessions to high school students in various math subjects, including Algebra, Geometry, Trigonometry, and Calculus, tailoring lessons to meet individual learning styles and needs.
 - Develop comprehensive ACT/SAT preparation plans, incorporating strategies, practice tests, and targeted review sessions to help students maximize their scores.
 - Demonstrate a strong ability to articulate complex technical concepts in a clear and concise manner, effectively communicating with students of varying backgrounds and skill levels.
 - Consistent track record of success in raising students' grades and standardized test scores, with many achieving significant improvements.

PROJECTS

- Car Sales Application** (GitHub) *Java, JavaFX/FXML, MySQL, Gradle*
 - Full-stack application for selling cars with a JavaFX/CSS front-end and Java back-end.
 - Implemented user authentication functionalities allowing users to log in and out, as well as create, delete, and view listings for cars.
 - Utilized MySQL Database with JDBC connector to store and manage all listing and user information, ensuring data integrity and reliability.
- Mock Bar Management Application** (GitHub) *Java, Swing, MySQL, Maven*
 - Full-stack application for managing a "mock" bar, with a Swing front-end and Java back-end.
 - Implemented database connectivity using JDBC and MySQL for storage and retrieval of bar-related data.
 - Developed features for viewing, adding, editing, and deleting items within the Ingredients, Suppliers, and Employees tables.
- Chat Room Application** (GitHub) *Python*
 - UDP socket based chat server and client program written in Python.
 - Server allows multiple clients to connect simultaneously and communicate with each other through public and direct messages.
- TLS File Transfer Application** (GitHub) *Python*
 - Secure file transfer application implementing TLS encryption to transfer files from a client to a host, written in Python.
- Decklist Auto-Filler Extension** (Chrome Web Store) *HTML, CSS, JavaScript*
 - Google Chrome extension for automatically migrating YuGiOh decklists from popular online simulators to tournament registration websites.
 - Converts a Base64 encoded string into a list of card IDs, converts the IDs to card names, then seamlessly populates an HTML registration form with the card names.