Fiza Bajwa
Fizabajwa25@gmail.com - (773) 759-2300 - Chicago, IL
Github
Handshake
LinkedIn

EDUCATION

University of Illinois at Chicago	Chicago, IL
BS in Computer Science	May 2026

Skills

Programming Languages: C/C++, Python, Java
Software/Frameworks: Git, Microsoft SharePoint, Excel, Word, Outlook, PowerPoint, PyCharm, IntelliJ IDEA

WORK EXPERIENCE

Peak6	May 2023-May 2023
Software Engineer Intern	Chicago, IL

- Collaborated with senior engineers and fellow interns to develop an app recommender system for option traders.
- Collaborated with senior engineers to ensure scalability and code efficiency while contributing to UI/UX discussions for improving usability.
- Enhanced debugging and code optimization skills using PyCharm, Git, and GitHub.
- Gained valuable exposure to the FinTech industry, understanding how technology can enhance trading decision-making.

PROJECTS

App Recommender System for Option Traders (Python)

- Designed and implemented machine learning-inspired algorithms to provide personalized app recommendations tailored to trader preferences and activity, enhancing decision-making efficiency.
- Utilized the Peak6 API for fetching and processing user data, ensuring accurate and relevant app suggestions.
- Collaborated with senior engineers to ensure scalability, code efficiency, and seamless integration with existing systems.
- Engineered algorithms that analyzed user behavior and historical data to provide personalized recommendations.
- **Achievements:**
    - Delivered a functional prototype that reduced app selection time by 30%, significantly improving trader productivity and user satisfaction
    - Utilized PyCharm for development, Git for version control, and GitHub for collaborative project management.
    - Contributed to discussions on improving user interface usability for financial technology applications.

Blackjack Game (Java)

- Developed a command-line Blackjack game with a graphical user interface using JavaFX and a Java back end.
- Implemented core classes: Card, BlackjackDealer, BlackjackGame, and BlackjackGameLogic.
- Designed and coded the game logic for card distribution, dealer rules, and player actions.
- Integrated a GUI for user interactions, including card display, game controls, and betting options.
- **Achievements**:
    - Created a fully functional Blackjack game that accurately simulates real-world gameplay.
    - Enabled multiple rounds of play with features such as hitting, standing, and betting.
    - Applied object-oriented programming principles to ensure a modular and maintainable codebase.
    - Incorporated functionality for detecting Blackjack, managing bets, and evaluating game outcomes.

WiCS Academic Scheduler Tool (Web Development)

- Collaborated with Women in Computer Science (WiCS) members to design a web-based academic scheduler tailored for computer science majors.
- Used Figma to create an intuitive user interface, focusing on accessibility and ease of use.
- Implemented key features such as course search, filter, suggestion, rating, and organization by year and difficulty level.
- Developed multiple interactive pages to accommodate different functionalities, ensuring seamless navigation and efficient planning.
- Achievements:
    - Enhanced planning efficiency for users, allowing streamlined course selection.
    - Fostered teamwork and leadership while promoting diversity in tech through collaborative development.

Priority Queue Implementation with Binary Search Tree (C++)

- Developed a priority queue data structure using a custom Binary Search Tree (BST) to manage elements based on their priorities. The project aimed to demonstrate proficiency in dynamic memory allocation, tree traversal, and handling duplicate priorities with linked lists.
- Used C++, Data Structures, Algorithm Design.
- Key Achievements:
    - Implemented a priority queue using a Binary Search Tree (BST), allowing efficient insertion, deletion, and retrieval of elements based on their priority levels.
    - Designed the BST to handle duplicate priorities by utilizing linked lists to maintain elements with the same priority, ensuring fairness in element retrieval.
    - Demonstrated proficiency in dynamic memory allocation and efficient tree traversal algorithms, optimizing performance and memory usage.

EXTRACURRICULAR EXPIERENCE

Delta Phi Omega Sorority Incorporated	Spring 2023 – Present
Treasurer	Chicago, IL

- Managed and recorded all transaction in the chapter
- Allocated funds for events based on sorority's financial status.

Women in Computer Science.	Fall 2023 - Present
Member	*Chicago, IL*

- Collaborated with peers on problem-solving challenges, fostering teamwork and leadership skills while promoting diversity in tech