

Esat Duman

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EDUCATION

University Of Illinois at Chicago, Chicago IL

Bachelor of Science in Computer Science

Expected: December 2024

Relevant Coursework: Data Structures, Software Development, Software Design, Computer Algorithms, Systems Programming

SKILLS

Technical: C/C++ (Full-Stack), Java (Full-Stack), Python, SQL, JavaScript, HTML & CSS, Agile, **Testing:** Unit Testing, Regression Testing, and Integration Testing

PROJECTS

Client-Server Hangman Game:

October 2023 – November 2023

- Built a Java-based Client-Server architecture for a Hangman game, ensuring seamless communication.
- Implemented an intuitive user interface with FXML, demonstrating expertise in JavaFX for a consistent and engaging experience
- Managed server-side logic implementation, ensuring fluid client functionality and heightened user interaction.

Campus Map:

April 2023 – May 2023

- Designed an efficient graph data structure in C++, leveraging adjacency matrices and maps, improving data organization and accessibility
- Implemented dynamic algorithms for real-time vertex and edge addition, showcasing expertise in map-based data structure manipulation.
- Utilized maps for streamlined information retrieval, enhancing analytical capabilities in graph-related operations

CTA Blueline Data Display:

February 2023 – March 2023

- Developed a console-based Python and SQL program for analyzing daily ridership data from the CTA Blue line database
- Calculated and presented total ridership, weekday ridership, Saturday ridership, and holiday ridership with percentages.

INTERNSHIP EXPERIENCE

Sonsuz Design | Remote, IL

May 2023 – July 2023

Software Engineering Intern

- Collaborated with the Sonsuz Design startup team to create "Trip Mate," an innovative travel planning website, contributing to both front-end (HTML, CSS, JavaScript) and back-end (Django, Python) development
- Participated in regular team meetings, providing valuable insights and suggestions for feature enhancements and future development roadmaps.
- Programmed, developed, and integrated a secure password authentication system for user accounts, enhancing data security and user privacy using Django and Python
- Demonstrated proficiency in HTML and JavaScript to seamlessly integrate external APIs, sourcing hotels, plane tickets, and car rental data, thus enriching the application's feature set and providing real-time, accurate travel information to users

WORK EXPERIENCE

IKEA | Schaumburg, IL

Aug 2021 – Present

Furniture Technician

- Build Ikea products for display on the sales floor as well as request of customer
- Evaluate assurance for defective products and determined cause/solution with step-by-step case

Amazon Logistics | Mundelein, IL

Sep 2019 – Aug 2021

Warehouse Ambassador

- Managed Amazon driver routes and diagnosed technical issues within Amazon apps for drivers

LEADERSHIP

Keystone Youth Center | Mentor

August 2019 - Present

- Foster academic and social growth among high school students through mentoring and tutoring. Present college guidance to students preparing for high school graduation and set goals for their career choices
- Oversee cultural and recreational activities for highschoolers below at youth and cultural center