Rusen Emre Sabaz

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EDUCATION

Worcester Polytechnic Institute (WPI) | Worcester, MA   May 2024
Bachelor of Science, Computer Science   **Honors:** Dean's List | GPA 3.45/4.0
Worcester Polytechnic Institute (WPI) | Worcester, MA
Master of Science, Computer Science   Expected May 2025

Relevant Courses: Object-Oriented Design Concepts, Algorithms, Intro to AI, Foundations of Computer Science, Software Engineering, Machine Learning, Computer Vision, Deep Learning

EXPERIENCE

ICONICS | U.S.A   June 2024 – September 2024
Quality Assurance Engineer Intern
- *Developed and automated test cases in C# for real-time industrial automation software, ensuring thorough validation of operator workstation interfaces.*
- *Created an ASP.NET server to assist with authorization testing for client applications, enabling seamless integration with the company's testing environment.*

EnerjiSA | Turkey
System Engineer Intern   June 2023 – July 2023
- *Led the setup of an Active Directory and Exchange Server*
- *Managed user permissions and account setups*
- *Assisted in integrating server solutions with existing IT infrastructure*

PROJECTS

Runner Tracker Website | WPI – Relay for Life   Mar 2024–Apr 2024
- Spearheaded the development and deployment of a hybrid digital and hardware solution, "Runner Tracker," to automate participant tracking at Relay for Life running events.
- Designed and implemented a responsive website using React, hosted on Amazon EC2 with a static IP, ensuring stable and continuous access.
- Engineered robust, scalable solutions that supported a total of 270 users, with up to 150 concurrent users during peak event times.
- Collaborated with event organizers to align technology with Relay for Life goals, improving participant experience and operational efficiency.

Green Meadows MQP | WPI - Fidelity   Oct 2023–Dec 2023
- Collaborated in a 3-person team to develop a cross-platform investment application targeting younger generations, using Expo CLI
- Utilized React Native for front-end development, ensuring a user-friendly interface and seamless user experience
- Implemented Express server and Node.js for backend operations and API integration, facilitating efficient data handling
- Conducted extensive testing of Fidelity's API, contributing to the enhancement of their service offerings
- Maintained regular communication with Fidelity, ensuring project alignment with their goals and standards
- Successfully presented the final app to Fidelity, demonstrating effective functionality and market appeal

Software Engineering Class | WPI   Jan 2023–Feb-2023
- Collaborated with Brigham & Women's Hospital in a 10-person Agile development team
- Utilized Java, JavaFX, MaterialFX, AWS RDS, PostgreSQL, and Hibernate to create a software application
- Developed pathfinding, map editor, service request modules, and facilities move component to optimize hospital operations management
- Created an app utilized by the hospital to assess the efficacy of the implemented features

SKILLS

Programming: C#, C++, Java, Python, CSS, PostgreSQL, React, Java Script
Software: Fusion360, Max8, Ableton Live, R studio, GitHub, Jira, SolidWorks, Figma
Languages: Turkish, English
Certifications: Associate-Mechanical Design, Professional Scrum Developer I

ACTIVITIES

Turkish Student Association, Treasurer | WPI   Dec 2020 – Dec 2023