EMINENUR SARIKAYA

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OBJECTIVE

Computer Engineering graduate with strong problem-solving skills and hands-on experience in Java, SQL, RESTful API development, and system design. Passionate about backend development, database management, and low-level programming.

EDUCATION

University of Illinois at Urbana-Champaign Aug 2024
Bachelor of Science in Computer Engineering GPA: 3.48/4.00

- **Relevant Coursework:** Data Structures & Algorithms, Numerical Methods, Probability & Statistics, Database Systems
- **Honors & Awards:** Engineering Visionary scholarship, Motorola Solutions Foundation Pathways scholarship

EXPERIENCE

Revature Pre-Employment Program Dec 2024 - Feb 2025
Back-end Developer

- Developed programming skills in Java, SQL, RESTful API Construction and Spring Framework
- Implemented project work including construction of functional REST APIs using Test Driven Development methodologies
- Leverage Java APIs to write algorithms to solve various challenges and problem sets

PROJECTS

Spring Social Media Blog API

- Developed a RESTful API for a social media platform using Spring Boot, Spring Data, and Spring Web
- Implemented user authentication, including registration, login, and session management
- Utilized Spring Data JPA for database management and CRUD operations
- Followed MVC architecture and best practices for scalability and maintainability
- https://github.com/NourSarikaya/Spring-Social-Media-Blog-API.git

Interactive Laser Toy with Random Path Generation and Sensor Integration

- Designed and implemented tracing and random path generator algorithms for a cat laser toy
- Simulated behavior using Python graph algorithms
- Integrated components including LiDAR mini, pressure sensors, motion sensors, and Dynamixel motors
- https://github.com/NourSarikaya/CatLaserTowerProject.git

Functional Kernel

- Developed a functional kernel with IDT entries, syscall functions, terminal driver, and scheduling algorithm
- Programmed in C and x86 Assembly, enhancing low-level debugging skills using GDB
- https://github.com/NourSarikaya/Functional-Kernel.git