Amir Elrahep

amirelrahep@gmail.com • linkedin.com/in/amir-elrahep • amirelrahep.github.io

EDUCATION

Westfield State University   May 2022
- **Major:** B.S. Computer Science | **Minor:** Mathematics
- **GPA:** 3.803/4.0 | **Academic Award:** Dean's List

PROJECTS

GitHub: github.com/AmirElrahep

Garage Manager | Desktop App | Java, JavaFX, CSS, SQLite, Maven
- Developed following MVC design pattern utilizing Maven to handle dependencies.
- CRUD functionality for customer, vehicle, repair order, contact, inventory, and employee data.
- Connected to NHTSA API to retrieve data such as ratings, recalls, and complaints on a vehicle.
- Increased productivity at place of employment/other shops by decreasing record retrieval time.

WSU Tower Defense | Android Game | Java, Android, MySQL, Git, Scrum
- Developed following MVC design pattern in 2-week Scrum sprints.
- Collaborated with a team of 5 developers via Git source control and peer programming.
- Contributed by creating the user interface and deploying the high scores database.
- Utilized AWS MySQL Relational Database Service (RDS) to store and retrieve high scores.
- Showcased during the WSU Evening of Discovery event for student excellence.

Sudoku | Desktop Game | Java, JavaFX, CSS, Maven
- Recreated the classic Sudoku game with a modern look and feel following MVC design pattern.
- Implemented multiple difficulty settings and the ability to switch between dark and light mode.
- Generates valid puzzle using backtracking algorithm and removes numbers based on difficulty.

SKILLS

Proficient: Java, JavaFX, Android, SQL, Git/GitHub, Agile Methodologies
Familiar: Python, C, C++, JavaScript, React.js, HTML, CSS, AWS

WORK EXPERIENCE

Webster's Garage | Auto Mechanic   2013 - Present
- Optimize workday by planning schedule and ordering parts ahead of time.
- Run computerized diagnostic tests to help identify components that might be malfunctioning.
- Perform routine maintenance according to schedules established by various manufacturers.

A&A Radiator | Radiator Repair Technician   2013 - Present
- Diagnose, repair, and inform customers how to maintain and increase longevity of radiators.

ADDITIONAL INFORMATION

Volunteer | St Mary's Spiritual Vineyard - Assist in the kitchen and aid in property maintenance
Language | English, Arabic