

Amir Elrahep

Full Stack Software Developer

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EDUCATION

Westfield State University | Magna Cum Laude

May 2022

Major: B.S. Computer Science – **Minor:** Mathematics – **GPA:** 3.75/4.0 – **Academic Award:** Dean's List

PROJECTS

GitHub: <https://github.com/AmirElrahep>

WSU Tower Defense | Android Game | Java, Android, MySQL, Git, Scrum, AWS (RDS)

- 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.

Koi | Social Media Website | React, Node, Express, MySQL, AWS (RDS)

- Collaborated in a team of 2 developers via Git source control and peer programming.
- Contributed by designing and creating the user interface using Material UI component library.
- Utilized AWS MySQL Relational Database Service (RDS) to store and retrieve data.

Sudoku | Desktop Game | Java, JavaFX, CSS, Maven

- 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

Freelance Software Developer

2021 - Present

- **Garage Manager** | Desktop App | Java, JavaFX, CSS, SQLite, Maven
 - Researched, identified and documented client's technical requirements.
 - Created data flows and database schemas.
 - Developed application following MVC design pattern utilizing Maven to handle dependencies.
 - Connected to NHTSA API to retrieve data such as ratings, recalls, etc on a vehicle.
 - Increased client's productivity by decreasing record retrieval time.

Webster's Garage / A&A Radiator | Auto Mechanic / Radiator Repair Technician

2013 - 2022

- Run computerized diagnostic tests to help identify components that might be malfunctioning.
- Perform routine maintenance according to schedules established by various manufacturers.
- Diagnose, repair, and inform customers how to maintain and increase longevity of radiators.