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 clients' 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 clients' 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.