Matthew Silva

El Paso, TX 79936 • matthewsilva2248@gmail.com • (915) 843-5755

EDUCATION

Texas Tech University, Lubbock, Texas
Bachelor of Science in Computer Science, Minor in Mathematics – Cum Laude   December 17th, 2022
GPA: 3.6

Data Structures, Object-Oriented Programming, Software Engineering I, Design/Analysis of Algorithms, Concepts of Database Systems, Operating Systems, Senior Capstone, Intro. to Quantum Computing, Human Computer Interaction, Computer Networks, Software Security, Differential Equations I

EXPERIENCE

Personal Website Portfolio
Full-Stack Developer   April 2023 - Present
- Design and Implementation of Full-Stack Web Application
- Utilize React JS, HTML5, CSS3, Bootstrap, VS Code and JSX for the design of the frontend.
- Created a backend application utilizing Spring Boot, Node JS, MySQL, Postman, Maven, and IntelliJ.
- Developed and designed database schema and created an end-to-end connection for referencing data.
- Utilize Axios to extract data from the backend via API requests.
- Allows users to contact/reach out through LinkedIn or email for job positions through emails js.

Design and Implementation of Secure Health Information System Project (SHIS)
Software Developer   Fall 2022 Semester
- Identify and draw threats to use cases. Describe each by name, vulnerability, etc.
- Draw use case and security use case diagram. Describe each use case with security extension points.
- Develop secure interaction model to show application and security classes with interactions.
- Implement secure interaction model for each use case with Java and GUI. Store with database tables.

INVOLVEMENT

El Pasoans Fighting Hunger Food Bank   Summer 2020
Volunteer
- Assisted others with packaging boxes of food and distributing it to families in need.
- Directed traffic for a more efficient entry and exit.

SKILLS/CERTIFICATIONS

- Technical Skills/Qualifications
  - Java, C, Python, SQL, HTML, CSS, JavaScript, Spring Boot, ReactJS, NodeJS, Postman
- Certificates
  - DevOps, Cloud, and Agile Foundations (March 28, 2023)
    - Introduction to DevOps (March 7, 2023)
    - Introduction to Cloud Computing (March 22, 2023)
    - Introduction to Agile Development and Scrum (March 27, 2023)
  - Skills:
    - CI/CD, TDD, BDD, IaC, IaaS, PaaS, SaaS, XP, Containers, IAM, Hybrid Cloud, IoT, Sprint Planning, Backlog Refinement, User Stories, Burndown Chart, IBM Cloud
- Other Skills/Qualifications
  - Bootstrap, MySQL, PostgreSQL, IntelliJ, Eclipse, NetBeans, VS, Firebase, Git, REST API
  - Scrum, Agile, DevOps, APIs, Kanban, Zenhub, Linux, Shell Scripting, Bash, Android Studio