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

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 a secure interaction model to show application and security classes with interactions.
- Implement a secure interaction model for each use case with Java and GUI. Store with database tables.

Supermarket Checkout/Inventory System Project (SCIS)
Software Developer   Fall 2021 Semester
- Develop use case model, static model, and interaction model for the system.
- Design the software architecture in terms of subsystems and interactions.
- Design database tables to store information and define their primary keys.
- Implement the system in Java, storing data within a database
- Implement a GUI for the SCIS

INVOLVEMENT

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

SKILLS/CERTIFICATIONS

- Technical Skills
  - Java, C, Python, SQL, MASM Assembly Language
- 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
- Other Skills/Qualifications
  - IBM Cloud, MySQL, Eclipse, NetBeans, Visual Studio Code, Android Studio, Firebase, Git
  - Scrum, Agile, DevOps, API/Microservices, Kanban, Zenhub, Linux, Shell Scripting, Bash