

# Matthew Silva

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## EDUCATION

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**Texas Tech University**, Lubbock, Texas

*Bachelor of Science in Computer Science, Minor in Mathematics – Cum Laude*

December 17<sup>th</sup>, 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

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### 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.
- Fully deploy web application to AWS via RDS, EC2, and S3.

<http://personalwebportfolio.s3-website-us-west-1.amazonaws.com/>

### 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

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### 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

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- Technical Skills/Qualifications
    - Java, C, Python, SQL, HTML, CSS, JavaScript, Spring Boot, ReactJS, NodeJS, Postman
  - Certificates
    - DevOps, Cloud, and Agile Foundations Specialization (March 28, 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
    - AWS(RDS, EC2, S3), Bootstrap, MySQL, PostgreSQL, IntelliJ, Eclipse, NetBeans, VS Code
    - JDBC, Maven, JSON, MongoDB, Firebase, Git, REST API
    - Scrum, Agile, DevOps, APIs, Kanban, Zenhub, Linux, Shell Scripting, Bash, Android Studio