

## PERSONAL STATEMENT

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An aspiring Computer Science student passionate about software development, with a strong foundation in analytics and programming. Experienced in identifying complex problems and crafting innovative solutions, with a commitment to continuous learning and technical excellence. Seeking to leverage technical expertise and a strong analytical foundation to contribute and learn through cutting-edge software engineering projects.

## EDUCATION

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**Texas A&M University | College of Engineering**

**Spring 2026**

Bachelor of Science in Computer Science, Minor in Mathematics

## RELEVANT COURSEWORK

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- **Data Structures & Algorithms** - Learned basic abstract data types, algorithms, and their performance tradeoffs, with the help of practical assignments implemented in C++.
- **Computer Organization** - Developed a deep understanding in computer architecture, key CPU components such as registers, ALU and RAM by creating a fully-functioning 16-bit computer simulator.
- **Programming Languages** - Helped take superficial understanding of programming languages to the next level by clarifying the inner workings, semantics, and play of Functional vs Object Oriented Programming (OOP).
- **Intro to Computer Systems** - Learning more about programs for single node vs client/server based application architecture. Also, going to learn more about monolithic and multi-threaded applications and their respective usages.
- **Foundations of Software Engineering** - Currently engaged in an intensive course focused on core Computer Science concepts, software methodologies like Agile and Waterfall, and developing maintainable software through practical, team-based projects.
- **Global Career Accelerator** - Currently gaining skills in data analysis, visualization (Excel, Tableau), and intercultural communication. Developing a portfolio of data projects and preparing for Tableau certification.

## SKILLS & CERTIFICATIONS

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- Intermediate proficiency in C++, Ruby, SQL, Python, R, OCaml, Racket, Kotlin, HTML/CSS, JavaScript and React
- Certified in SQL and Python through LinkedIn Learning
- Experienced with version control systems, including Git using GitHub
- Customer Service Skills: Problem Solving, Communication, Time Management, Attention to Detail
- Pursuing learning of using available GenAI models to build custom chatbot

## PROJECTS

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**Personal Calendar App: Kotlin, SQLite, XML, Android Studio**

- Developed an Android based application using Android Studio that allows users to create and manage events and appointments helping them to stay organized.

**Text-Based Dungeon Crawler: C++**

- Designed a text-based dungeon crawler in C++ that allows users to create custom levels using text files. Implemented a scoring and inventory system to increase player engagement. Designed the maps using dynamic 2D arrays to quickly resize maps depending on the current level.

**Classic Tetris: Ruby**

- Using the MVP Framework, implemented the classic Tetris game using the Ruby programming language. Features include: customizable game speeds, a scoring system, and intuitive keyboard controls.

**Texas Instruments (TI) Microcontroller Programming: C/C++, TI Code Composer Studio**

- Developed a security module to connect with TI's CC26xx family of microcontrollers, inquiring and validating the MAC Address for security.
- Gained hands-on experience in low-level programming and embedded systems development using TI microcontrollers, focusing on hardware integration and efficient code optimization.

**16 Bit CPU: HDL, Assembly**

- Designed and built a fully functional 16-bit CPU using logic gates, ALUs, and registers. Utilized digital design tools to simulate and verify performance, demonstrating an understanding of core computer architecture and hardware components.

## ACTIVITIES & ORGANIZATIONS

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**Sea Aggie Coding Club | Event Coordinator**

**Fall 2024 - Present**

- Planning, preparing and executing events such as hackathons, coding workshops, and guest speakers for students to learn real-life applications of Computer Science.

**Galveston Engineering Student Organization | Event Coordinator**

**Fall 2022 – Present**

- Created case competitions and workshops based on engineering fields to give students insight into real-world scenarios.