David Caleb Gomez

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EDUCATION

University of Texas at Arlington   **May 2024**
Bachelor of Science, Computer Science   *Arlington, TX*
- **Relevant Coursework:** Data Structures and Algorithms, Data Mining, Artificial Intelligence, Neural Networks & Deep Learning, Principles of Marketing

WORK EXPERIENCE

Texas Baptist Student Ministry   **Aug. 2024 – May 2025**
Student Engagement Coordinator   *Arlington, TX*
- Texas Baptist Student Ministry is a faith-based nonprofit organization dedicated to supporting students on over 100 college campuses in Texas through community engagement and Christian leadership.
- Led leadership workshops and mentored diverse student groups to enhance their personal and professional development.
- Evaluated the effectiveness of engagement initiatives through surveys and feedback, driving improvements for future events.
- Collaborated with team members to plan and execute programs.

PROJECTS

[Breathe Easy Sim](#)
- Developed a ventilator simulation platform for medical training at UTA's SMART Hospital, enhancing the learning experience for healthcare professionals.
- Led UI design and implementation using Java Swing for dynamic parameter control and real-time data visualization.
- **Awards:** 2nd place; Senior Design – Innovation Day

[Stock Price Prediction Project](#)
- Developed an LSTM-based deep learning model to predict Apple stock closing prices using historical time series data.
- Achieved ~3.75 USD average error on test data while continuously refining the model for improved accuracy.

[SeatGeek Price Tracker](#)
- Built an automated ticket price tracker using the SeatGeek API to monitor Dallas Cowboys ticket listings in real-time.
- Implemented price scanning logic in Python and integrated Telegram's messaging API to send instant alerts for underpriced tickets directly to a mobile device.

CERTIFICATIONS, SKILLS & INTERESTS

- **Technologies:** Java; SQL; Python; MATLAB; JavaScript; HTML; CSS; Java Swing; Git; Jira; Flask; Jekyll; Azure
- **Skills:** Data Analysis; Web Development; UX Design; Project Management; AI
- **Interests:** Fantasy Football; Golf; Board Games; Watching Movies