Javier Betancourt

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EDUCATION

Texas A&M University   College Station, TX
Bachelor of Science in Computer Science; Minors in Mathematics, and Game Design and Development   Expected in May 2026
Cumulative GPA: 3.70

Relevant Coursework: ENGR 102, MATH 151, MATH 152, MATH 153, MATH 304, MATH 308, Honors CSCE 120 (Program Design and Concepts), Honors CSCE 222 (Discrete Math), CSCE 221 (Data Structures and Algorithms), CSCE 312 (Computer Organization), CSCE 314 (Programming Languages), CSCE 411 (Design and Analysis of Algorithms)

SKILLS, CERTIFICATES, AND INTERESTS

Skills: Fluent in English, Spanish, HTML, CSS, Java, C++, C#, Python, Assembly, SQL, Elasticsearch, Git
Certifications & Training: 8 Professional Development Hours (Fundamentals of Cyber Security)
Interests: Software Development, Game Development, Digital Design, Artificial Intelligence, Biofeedback Game Sensors

PROJECTS

Wordle   April 2024
- Revamped and redesigned Wordle from start to finish using Java and JavaFX. Implemented a more efficient method for saving scores and updating player statistics in real-time during gameplay, while enhancing the overall user experience.

Reveille Reserve   January 2024
- As a group participating in TamuHack, using HTML, Python, and CSS, we designed a website in 24 hours to help people set saving goals on a month to month basis.

ACTIVITIES

Undergraduate Researcher   College Station, TX
Researcher   Aug 2024 – Present
- Using the immersive component of video games, to offer a more engaging and effective method for stress management, that traditional stress and anxiety interventions lack.
- Utilizing real-time monitoring of breathing rate, positive and negative reinforcement may be given during gameplay in order to decrease the user's anxiety or stress levels.

Texas A&M Cybersecurity Club Tech Committee   College Station, TX
Tech Lead Officer   Feb 2023 – Present
- Replaced the clubs SQL database back end with elasticsearch indices by translating SQL queries into elasticsearch queries to expand the flexibility for information on club member profiles.
- Collaborated with a team to make club operations flow more smoothly. By allowing event scheduling to be more successful, while allowing club officer's the ability to track event attendance, and overall club points in a more effective manner.

Craig and Galen Brown Engineering Honors   College Station, TX
Member   Aug 2023 – Present
- Advised freshman in general engineering on courses to take during upcoming semesters.
- Allowed opportunities to take advantage of honors courses, allowing for better understanding of subjects and the ability to make long lasting connections with professionals in the field.

WORK EXPERIENCE

Texas A&M University - Department of Computer Science and Engineering   College Station,, TX
Undergraduate Teaching Assistant - CSCE 120 Program Design Concepts   Feb 2024 – Present
- Guided students in weekly labs, helped in their error management, and enhanced their knowledge of C++ concepts.
- Collaborated closely with instructors to maintain an effective flowing course of which 700+ students are taking.