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EDUCATION

Texas A&M University **College Station, TX** **August 2019 – May 2023**

- B.S. in Computer Engineering with Minor in Mathematics, May 2023. Cumulative GPA: 3.42 (4.0 Scale).
- Coursework: Software Engineering; Data Structures and Algorithms; Web Design; Programming Studio; Graphic Design; Computer Graphics; Visualization Techniques; Wireless and Mobile Systems; Cryptography.
- Scholarships Received: Hispanic Scholarship Fund; Century Scholar; Dallas A&M Club.
- Additional Involvement: TAMU Hack; Texas A&M Computing Society; Aggie Coding Club.

EMPLOYMENT

Software Engineer Intern **Amazon Web Services – Seattle, WA** **May 2022 – August 2022**

- Onboarded OpenID Connect (OIDC) configurations to CloudFormation (CFn) Workteam resource, expanding authentication options.
- Enhanced Cfn Workteam resource to support multiple identity providers through OIDC, boosting worker management flexibility.
- Expanded OIDC configurations in existing Workforce resource by incorporating custom scope, improving identity provider distinction for enhanced authentication.
- Implemented support for static parameters in OIDC configurations, optimizing user attribute retrieval during authentication/token endpoints.
- Identified and rectified a critical bug in original static parameter implementation, transforming data type from map to object list, ensuring seamless API integration.

PROJECTS

Student Engineers' Council Budget Request System (*Ruby on Rails / Ruby / PostgreSQL*)

<https://github.com/Infinity323/music-master>

- Spearheaded the creation of a budget management solution utilizing Rails framework and PostgreSQL, demonstrating proficient full-stack development skills.
- Orchestrated and facilitated agile scrum ceremonies for a cohesive team of 5 members, resulting in flawless project execution and achieving optimal client contentment.
- Designed a comprehensive UML diagram encompassing 7 entities and 8 relations, meticulously adhering to the 3rd normal form for data organization.
- Engineered, validated, and merged CRUD operations for 2 entities, amplifying application functionality and user interaction.
- Collaborated effectively on the integration of a GoogleOAuth login page, enhancing security and user authentication aspects of the system.

Music Master (*Flask / Python / ReactJS / SQLite*)

https://github.com/ntrujillo/sec_brs

- Coordinated in the full-stack creation of a musician practice session enhancement tool, emphasizing collaborative skills to achieve project goals.
- Engineered and innovative JSON comparison algorithm inspired by DNA analysis methods, showcasing a creative problem-solving approach.
- Pioneered the implementation of a Docker image for streamlined development environments, ensuring consistent and efficient workflows.
- Managed and facilitated regular scrum stand-ups, planning sessions, and retrospectives for a cross-functional team of 5, ensuring effective project coordination and communication.

Technical Skills

C++; C; Java; Python; Ruby; JavaScript; TypeScript; NodeJS; ReactJS; HTML5/CSS; RESTful API; MVC; Ruby on Rails; Flask; Git/GitHub; PostgreSQL; Docker; XML Schema; Agile Methodology; Continuous Integration/Continuous Delivery (CI/CD); Code Review; Effective Communication; Collaborative Teamwork; Problem-Solving; Meticulous Attention to Detail; Adaptive Thinking; Creative Solution Development.