

Xien Thomas

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OBJECTIVE

Software Engineer with proven experience in designing and migrating cloud-based and containerized solutions that secure high performance. Successfully onboarded 15 applications to Kubernetes and developed automated data processing services for a million users. Skilled in cloud platforms, agile practices, and full-stack development tools, consistently delivering robust and optimized software solutions.

SKILLS

- **Programming Languages:** JavaScript, Java, Python, Go, SQL, TypeScript, HTML/CSS
- **Cloud & DevOps:** AWS, Docker, Kubernetes
- **Methodologies:** Agile Practices, Open Source Frameworks

WORK EXPERIENCE

Alpha Omega (DHS)

Mar 2023 - Present

Software Engineer

Stafford, TX

- Onboarded and migrated 15 applications from Cloud Foundry to Kubernetes within an Agile environment without any incidents
- Engineered an automated service leveraging Databricks and Sidekiq queues to backfill biometric data for a million users with a 90% success rate
- Optimized and deployed biometric logic to accurately display user information on cloud-based platforms
- Implemented a parity check system to reconcile applicants' biometric data from multiple stakeholders

Best Buy

Sep 2021 - 2023

Software Technician

Houston, TX

- Delivered technical support and software solutions to over 500 customers monthly, achieving a 95% satisfaction rate and reducing turnaround times by 30% through efficient troubleshooting and process optimization

Texas A&M

Aug 2016 - May 2020

Research Assistant

College Station, TX

- Developed a robust machine learning algorithm to differentiate adult and children sketching to assist pediatricians in diagnosing children's mental disabilities, achieving 86% accuracy
- Collaborated with Johnson Space Center to create an inexpensive, reliable system for measuring joint angles in space suits, reducing the degree error to 8.9 from the golden standard

Texas A&M

Aug 2016 - Aug 2019

Teaching Assistant

College Station, TX

- Supervised and graded undergraduate senior design projects
- Collaborated with professors and fellow teaching assistants to develop multiple learning labs and course work for undergraduates

NASA Marshall Space Flight Center

Jun 2014 - Aug 2014

Intern

Huntsville, AL

- Refurbished an existing system to collect and construct raster files from satellite data to predict natural disasters, resulting in faster geographical updates in 3rd world countries

EDUCATION

Texas A&M University College Station, Texas

Aug 2020

M.S., Computer Science

Texas Southern University Houston, Texas

May 2016

B.S., Computer Science