

Akhil Robertson Cutinha

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Experience

Texas A&M University – Transportation Services

College Station, TX

DevOps Developer

March 2021 – Present

- Designed and implemented fully automated self-served CI/CD pipelines for 2 agile web applications.
- Contributed to phasing out 1-click publish in favor of Continuous Integration to Streamline the build and release pipeline.
- Tabulated DB connection strings in web applications to assist in developing development and production staging servers.
- Collaborated in migrating 6 web applications to a new server to free up space for a new project.
- Helped standardize MVC architecture throughout 11 web apps.
- Spearheaded implementation of new features for 7 web applications.

Framework: .Net (aspx.net), MS TFS (Scrum) **Languages:** C#, HTML, CSS, JavaScript (jQuery, Ajax), Razor

Texas A&M Engineering Experiment Station

College Station, TX

Student Research Assistant

June 2020 – January 2021

- Critiqued a software prototype designed to enhance debugging of parallel programs in C++.
- Evaluated its performance against the industry standard Intel Inspector, testing both with 21 random projects from GitHub, in terms of ease of implementation, performance time, and user experience.
- Diagnosed areas of improvement and summarized my findings in an article, later uploaded on medium.
- Conducted a study on common errors encountered in parallel programming, examining over 47 projects.
- Investigated the solutions to the common errors and populated an article explaining the solutions. The article is published on Medium by The Startup.

Education

Texas A&M University

College Station, TX

B.Sc. Honors degree in Computer Science, minor in Statistics. GPA 3.70

May 2023

Relevant Coursework: Data Structures & Algorithms, Discrete Computing

Commit 10 hours a week to Peer Notetaking for Department of Disability Resources

Leadership

Texas A&M University at Galveston

Galveston, TX

Orientation Transition Leader

May 2020 – Aug 2020

Administered 11 New Student Conferences, motivating 1200 new students to embrace the Aggie Culture.

Facilitated discussions over zoom and educated the students on navigating through college. Represented the University at conferences.

Texas A&M University

College Station, TX

Engineering Ambassador

May 2021 – present

Coordinated weekly zoom informational session for future students from high schools. Scheduled Ambassador-led tours of Zachary Engineering Complex. Represented the Engineering Student Body.

Technical Skills

Programming: C++, C#, C, SQL, Python, R, Razor, JavaScript (jQuery)

Tools: Team Foundation Server, Visual Studio Version Control, SSMS, Cascade CMS

Interests: React, Ajax, MERN stack, Data Science (Hadoop), Quantum Computing (Qiskit)