**Jess Cadena**

jessmcadena@gmail.com |www.linkedin.com/in/jesscadena|(713)-829-7157

**EDUCATION**

**Texas A&M University College Station, Texas**

**Major:** Computer Science, B.S.  *May 2026* (*Expected)*

**CS Coursework:** Data Structures and Algorithms, Operating Systems, Computer Architecture, Discrete Math GPA: 3.7/4.0

**WORK EXPERIENCE**

**H-E-B -Software Engineering Intern***; San Antonio*, TX *May 2024 - July 2024*

* Created AWS lambda to provide possible discounts when provided a transaction number.
* implemented and updated numerous TIBCO BusinessWorks Projects to produce endpoints for clients.
* Deployed Kafka connectors to perform data lake hydrations from on-prem servers to S3 buckets.
* overhauled various Databricks notebooks to create files and push them to origami from S3 buckets.
* Gained valuable experience in middleware software, backend development, and API’s.
* Presented an end-of-internship presentation, and gained proficiency in Jira, confluence, and GitLab.

**H-E-B - Cashier***; Cypress, Texas* *August 2020 - June 2023*

* Gained important experience in customer service and grew soft skills.
* Assisted 150+ customers daily with checkout, providing a positive and welcoming experience.
* Trained several new batches of Cashiers throughout the year as new employees were hired.

**PROJECTS**

**Point of Sales System (POS)** *September 2024- Now*

* Led a team of 6 to create a full-stack Node.js and React POS application using Agile based on Panda Express.
* implemented a fully functional database with a receipt system and inventory that tracked when items were out of stock.
* Created a fully functional front end including a self-checkout kiosk, Menu, kitchen order screen, analytics, and cashier kiosk.
* Deployed publicly on Heroku and released new MVPs after each sprint.

**Sequential CPU** *April 2024*

* implemented a fully functional 64-bit sequential CPU in Logisim that could run X86-64 machine code.
* Only logic gates, multiplexers, and RAM were used to build it from the ground up.
* Gained an in-depth understanding of fetch, decode, execute, memory, and writeback stages of processing.

**Image Scaler and Stitcher** *October 2023*

* Produced a image scaler and stitcher capable of resizing and combining Images in C++.
* Utilized Bi-linear interpolation for pixel color adjustment and double arrays for pixel location.
* Included a fully fleshed-out exception system to prevent any errors from invalid inputs.

**LEADERSHIP**

**Camp Kesem** **College Station, Texas**

*Operations Officer August 2024 - Present*

* Camp Kesem is a Summer Camp for kids whose families are affected by cancer.
* Maintains budget for Kesem chapter activities and updates forecasts on a regular basis using information provided by Treasurer.
* Responsible for camp planning including daily activity rotations, campsite selection, transportation coordination, and guests.
* will lead a camp of 40+ counselors and 100+ kids through a week-long camp.
* Personally fundraise $500 annually for Kesem, and am apart of running an event that raises $60,000 a year.

**SKILLS**

**Languages:** Python, C++, Java, JavaScript, Haskell, HTML, React, SQL

**Software:** TIBCO BWCE and EMS, AWS, Databricks, Jenkins, Argo, Heroku, Node,js, Jira, Confluence, Git