

Tayte Choudhury

(832) 800-1035 • College Station, TX • t82020@outlook.com

EDUCATION

Texas A&M University

*Master of Science in Finance
Mays Business School*

College Station, Texas

May 2028

Cumulative GPA: In Progress

Texas A&M University

*Bachelor of Science in Computer Science
College of Engineering*

College Station, Texas

May 2027

Cumulative GPA: 3.60/4.00

PROFESSIONAL EXPERIENCE

Switchless

Hardware and Software Engineer

College Station, Texas

January 2025 – May 2025

- Contributed to hardware and firmware development by building key system components and assisting with technical presentations to angel investors which garnered \$300,000 in seed investments
- Designed 4 custom schematics and PCBs in EasyEDA for smart switches deployed in new residential developments in Houston which support AI-based automations, tailored towards learning over 1,000 new projected users
- Implemented embedded C modules to control switch behavior, signal processing, and system responsiveness of the switches

TanChes

Level One Helpdesk

Houston, Texas

May 2023 – August 2023

- Delivered Level 1 technical support to 100+ users for computer systems and user devices, diagnosing and resolving common hardware, software, and connectivity issues to minimize downtime; resolved roughly 20-30 daily tickets
- Created and maintained detailed technical documentations, including troubleshooting guides, setup procedures, and system configurations, contributing to knowledge sharing and more efficient support workflows
- Supported rack-and-stack data center projects, supporting the physical installation, cabling, and configuration of 14 servers and other network hardware to ensure proper setup and operational readiness

LEADERSHIP & INVOLVEMENT

Aggie Lemons

Hardware Engineering Member

College Station, Texas

January 2025 – May 2025

- Constructed a low-power gear shift indicator system using transistors, resistors, and LEDs, improving driver reaction time during endurance races and reducing power draw by ~60%
- Developed and deployed custom microcontroller software through an Arduino, enabling driver-specific RPM thresholds for LED activation which enhanced usability across drivers
- Integrated the system into the race car's electrical harness and performed real-time testing during practice laps; drivers improved lap times by as much as 0.3 seconds per lap

Enhabit Home Health & Hospice

Hospice Care Assistant

Bryan, Texas

June 2024 – July 2024

- Offered emotional support to 2 struggling, terminally ill patients, assisting with end-of-life care during the final stages of life
- Supported the patients with basic non-medical needs and helped maintain emotional well-being in a supportive environment
- Fostered trust and reduced patient anxiety and isolation through regular visits, empathetic conversations, and attentive care

Spread the Music Association

President

Sugar Land, Texas

August 2019 – May 2023

- Directed a nonprofit music organization of 150+ student musicians, coordinating monthly performances at hospitals, senior centers, and community venues
- Coordinated and planned the annual benefit concerts, raising nearly \$5,000 total for global education and empowerment initiatives through the UN Foundation's Girl Up

SKILLS, ACTIVITIES & INTERESTS

Technical Skills: C/C++, Python (scikit-learn, OpenCV, TensorFlow, PyTorch), Java, LaTeX, HTML, CSS, JavaScript, SQL, R

Developer Tools: Git, GitHub, Fusion360, EasyEDA, VS Code, PyCharm, Google Cloud, Bash

Certifications & Training: Wall Street Prep Excel, Wall Street Prep PowerPoint, CFA Investment Foundations

Languages: Korean (Fluent), Spanish (Elementary)

Activities: Aggie Lemons, Society of Asian Scientists and Engineers, Spread the Music Association

Interests: Artificial Intelligence, Sudoku, Real Analysis, Piano, Crime Movies