

Tayte Choudhury

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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, Minor in Math

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, presenting to angel investors and securing \$300K in seed funding stage
- Designed 4 EasyEDA schematics for smart switches in new Houston homes, enabling AI automations for 1,000+ users
- Built embedded-C modules for switch control, signal processing, and optimizing responsiveness across all deployed switches

TanChes

Level One Helpdesk

Houston, Texas

May 2023 – August 2023

- Delivered Level 1 tech support to 100+ users, resolving hardware, software, and network issues; handled 20–30 tickets daily
- Deployed, cabled, and configured 14 servers/network devices for data center operations, securing system reliability/uptime
- Authored technical documentation, including troubleshooting guides and setup procedures to enhance workflow efficiency

LEADERSHIP & INVOLVEMENT

Aggie Investment Club

Member

College Station, Texas

October 2025 – Present

- Strengthened understanding of valuation, M&A, and financial modeling concepts through various workshops and case studies
- Engaged in informational sessions and mock interviews to enhance professional communication and industry knowledge
- Collaborated with members on market analyses and stock pitch discussions to deepen understanding of valuation methods

Aggie Lemons

Hardware Engineering Member

College Station, Texas

May 2024 – Present

- Built a low-power gear shift indicator using transistors and LEDs, improving driver lap time and cutting power use by ~60%
- Integrated system into the race car's harness and tested in real time with drivers improving lap times by up to 0.3 seconds
- Developed custom Arduino software with driver-specific RPM thresholds for LED ignitions, improving usability across users

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 5% of the patients with 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 – August 2023

- Directed a nonprofit of 150+ student musicians, organizing monthly performances at hospitals, senior centers, and venues
- Coordinated annual benefit concerts that raised nearly \$5,000 for global education and women's empowerment programs
- Developed a digital archive of past concerts and member portfolios, enhancing recruitment for future seasons by 12%
- Oversaw outreach and logistics to expand performance opportunities and strengthen partnerships with local organizations

National Security Language Initiative for Youth

U.S. Department of State Scholarship Recipient

Jeonju, South Korea

May 2022 – August 2022

- Selected from a national pool of 10K+ applicants (~11% acceptance) for the NSLI-Y Korea study abroad summer program
- Completed 120+ hours of intensive Korean language training and cultural immersion, achieving near-fluent proficiency
- Engaged in homestay experiences with local families to gain firsthand experience of Korean traditions and community life

SKILLS, ACTIVITIES & INTERESTS

Skills: C/C++, Python (scikit-learn, OpenCV, TensorFlow, PyTorch), Java, LaTeX, HTML, CSS, JavaScript, SQL, R, Fusion360

Activities: Aggie Investment Club, Aggie Lemons, Society of Asian Scientists and Engineers, Intramural Sports, The Big Event

Interests: Momentum Analysis, Soccer, Baduk, Sudoku, Kelly Criterion, Formula 1 Load Transfer Analysis, Černý's Etudes