

Brandon Black

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EDUCATION

Texas A&M University

*Master of Science in Quantitative Finance
Mays Business School*

College Station, Texas

May 2026

Cumulative GPA: 3.46/4.00

Texas A&M University

*Bachelor of Science in Electrical Engineering
College of Engineering*

College Station, Texas

May 2025

Cumulative GPA: 3.35/4.00

Honors: Craig and Galen Brown Engineering Honors Program, National Merit Finalist

PROFESSIONAL EXPERIENCE

Wärtsilä

Market Analyst Intern

Houston, Texas

June 2024 – August 2024

- Researched market dynamics in the U.S. power industry to assist in the sale of power plants, with a focus on ancillary services across different regions of the country
- Modeled generation revenues of existing Wärtsilä facilities in U.S. markets to evaluate economic viability outside of ERCOT
- Organized and conducted interviews with previous customers to evaluate their command structure and business models

National Field Instruments

Power Systems Engineering Intern

Lewisville, Texas

June 2023 – July 2023

- Modeled industrial power systems using SKM, creating arc flash evaluation reports and revise existing safety protocols
- Updated old wiring diagrams with Bluebeam Revu to document installation of new switchgear and replacement of outdated relays, compiling user manuals and technical information to synthesize digital components in electromechanical systems
- Assisted field technicians in performing routine maintenance tests on high voltage industrial equipment
- Tested various electrical relays using a Manta test kit, ensuring proper trip timing and sensitivity prior to resale

Texas A&M College of Engineering

Electrical Engineering Ambassador

College Station, Texas

October 2021 – May 2023

- Organized outreach events, Night at the Zach and STEM Expo for the Electrical and Computer Engineering Department, by creating presentations and engineering demos for prospective candidate attendees
- Hosted hundreds of prospective students interested in electrical engineering on departmental tours and information sessions
- Met one-on-one with current students to discuss scheduling and registration concerns and to advise the best course of action

LEADERSHIP & INVOLVEMENT

Texas A&M BUILD

External Relations Team Member

College Station, Texas

February 2023 – Present

- Conduct outreach to potential sponsors through email campaigns for the purpose of soliciting funding for a \$100,000 operation to provide portable medical clinics around the world in honor of the 12 fallen Aggies in the 1999 Bonfire collapse
- Provide point of contact resources and maintain relations with current donors to maintain established relationships
- Delegate construction tasks among volunteers of varying skill levels on site and oversee each individual's work to ensure tasks are completed safely and efficiently

Engineers for a Sustainable World

Water Reclamation Unit Team Lead

College Station, Texas

September 2022 – Present

- Assign specific tasks to team members based on engineering disciplines and skills to carryout water reclamation project
- Synthesize design elements with AutoCAD to model a prototype water reclamation unit, calculate power requirements and design appropriate circuitry, and source components from online distributors while analyzing and controlling project costs

SKILLS, ACTIVITIES & INTERESTS

Technical Skills: Microsoft Office, C, C++, Python, MATLAB, Linux, SKM Power Tools, LTSpice, Verilog, AutoCAD

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

Activities: IEEE, Big Event, Intramural Sports

Interests: Mountain Biking, Rock Climbing, Wing Surfing, Soccer, Playing Piano