Benjamin Kelemen

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EDUCATION

Bachelor of Science in Electrical Engineering: Computer Engineering, Computer Science, and Applied Mathematics May 2028 (Triple Major)

Texas State University – San Marcos, Texas

Overall GPA: 4.00

Honors: Dean's List (2024 – Present), President's List (2024 – Present), President's Honor Scholarship (2024-2028), Comal County Sportsman Association Scholarship (2024)

Associate of Arts in Liberal Arts May 2024

Northeast Lakeview College – Universal City, Texas

Overall GPA: 4.00

Honors: National Merit Scholar Commended (2023)

EMPLOYMENT

Paper Grader for Linear Algebra Course Aug. 2025 – Dec. 2025

Texas State University, San Marcos, TX

- Graded numerous problems from weekly homework assignments in a class of 71 students.
- Analyzed and provided accurate feedback on problems with mistakes using Canvas.

Applications Support Intern June 2025 – Aug. 2025

New Braunfels Utilities, New Braunfels, TX

- Researched, developed, and implemented an automatic address verification and database cleanup system.
- Reworked an existing data transfer system between Cityworks, SQL Server, and Request Tracker.

Data Strategy Intern June 2024 – Aug. 2024

New Braunfels Utilities, New Braunfels, TX

- Worked with large sets of data through SQL Server and created customized reports using Crystal Reports and Cityworks
- Lead integration of automatic data updates between ArcGIS, Cityworks, and SQL Server

PROJECTS

Omnidirectional Drive Systems Jan. 2023 – Apr. 2024

- Constructed multiple swerve wheel modules, including motors, sensors, gears, and wiring
- Developed a multi-file Java program to monitor and control swerve wheel direction, speed, and rotation
- Fabricated and programmed a mecanum drive system

Development of Manual and Autonomous Robotic Systems Aug. 2020 – Apr. 2024

- Created complex programs in Java and C++ to provide manual control for robotic systems
- Engineered programs that read and processed sensor information for autonomous robots.
- Developed durable and reliable electrical systems for movement and sensors.