Graham Kroll

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Professional, graduate of DBU, seeking employment with an engineering firm engaged in the design, fabrication, and promotion of systems for healthcare and personal use.

EDUCATION

Dallas Baptist University (DBU) August 2021 - May 2025
Double B.S. in Mathematics and Computer Science, Minor in Mechanical Engineering Cumulative GPA 3.98

- **Major-Related Coursework**: CS Capstone, Database Management, Differential Equations, Big Data, Statistics
- **Other Coursework**: Statics, Dynamics, Anatomy I/II, PM Design, Mechanics of Materials, Web Dev
- **Skills:** SolidWorks, Python, C++, MATLAB, SQL, Java, JavaScript, Visual Basic, MS Suite
- **Awards:** Suma Cum Laude, Dean's Honor List (All Semesters), Mathematics Honors Award (2024)

WORK EXPERIENCE

Data Integration Specialist - Sierra Data Systems June 2025 - Present

- Designed and integrated the company's first end-to-end help system, reducing support emails by 10%
- Led six client system integrations with over 200,000 data points across 5 different trades in the first 6 months
- Used Power Query and Excel to revise data and inform client strategies

Market and Data Intern (while at DBU) - Holt Lunsford Commercial May 2024 - August 2024

- Built HLC's first Visual Basic automated system to route prospect reports and query activity by date range
- Supported 40+ commercial real estate listings, organizing and tracking over 1,000 tenants and buyers
- Improved reporting efficiency by ~40%, enabling HLC brokers to generate over $2M in brokerage fees in 2025

HONORS

Presidential Leadership Award **-** DBU **(1 awardee from ~500 students)** May 2025
Elite 90 Award - NCAA **(1 awardee from ~5,000 collegiate athletes)** March 2025
Scholar Athlete of the Year - DBU May 2024

PROJECTS & EXTACURRICULARS

Facility Guided Prototype Design August 2024 - May 2025

- Designed, fabricated, and tested an autonomous mobile robot prototype under faculty supervision
- Applied a decision matrix and Gantt chart to evaluate design alternatives and define the production timeline
- Modeled final design in SolidWorks, ensuring structural integrity and cross-supplier part integration
- Integrated a color-sensor sorting system using C++, which maintained performance within ±5% tolerance
- Authored the technical summary report and project presentation using Microsoft Suite

Project Team Lead - Land Rover Spring 2024

- Collaborated on the design and construction of an autonomous Land Rover with omni-directional
- Programmed an autonomous control system in C++ to enable unmanned operation and navigation
- Integrated a sound sensor to trigger a pre-defined sequence, enhancing interaction and functionality

Project Team Lead - Quadcopter Fall 2023

- Led the team in designing and mechanically integrating a fully functional quadcopter with iterative flight testing
- Programmed and validated the flight controller for stable and controlled flight
- Assembled, soldered, and debugged electrical and software systems, including motor control
- Created technical documentation and presentations capturing design and testing results

College Basketball Fall 2021- Spring 2025

- Walked on to DBU's basketball program and earned a 25% athletic scholarship beginning sophomore year
- Served as team captain during DBU's first Lone Star Conference Championship most wins in school history
- Won the Elite 90 Award in DBU's first-ever appearance in the National Championship Tournament