# Graham Dungan

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## Education

**Texas A&M University** — College Station, TX
*Bachelor of Science in Computer Science, GPA: 4.0* — *Aug. 2022 – Present*

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|---|---|
| Data Analytics for Cybersecurity | *Python, C, ML* |
| Software Security | *Python, C, C++, Assembly* |
| Applied Cryptography | |
| Foundations of Software Engineering | *JavaScript, HTML, CSS, Vite* |
| Database Systems | *MySQL* |
| Data Structures and Algorithms | *C++, Make, GDB* |

**Nolan Catholic High School** — Fort Worth, TX
*GPA: 4.1* — *Aug. 2018 – May 2022*

## Experience

**Aggie Data Science Club** — Aug. 2023 – Jan. 2024
*Texas A&M University* — *College Station, TX*

- Attended introductory lectures on the basics of Data Science, Machine Learning, and Statistics.
- Placed first in an Kaggle regression competition using the Professional Microsoft Capstone Dataset on post-graduate salaries.

**TAMU Formula Electric Team** — Sep. 2022 – May 2023
*Texas A&M University* — *College Station, TX*

- Assisted in the design, fabrication, and fastening of critical structures for the chassis, seat mount, and ergonomic positioning of the driver.
- Collaborated with team members in determining optimal methods of weight reduction, cost effective manufacturing techniques, and timelines.

**Nolan Catholic FIRST Robotics Team** — Aug. 2019 – July 2022
*Nolan Catholic High School* — *Fort Worth, TX*

- Manufacturing Lead; distributing workload for most manufactured parts, materials management, CAM, Excel, AHK-Python Automation, and risk management.
- Chairman's Lead; producing essays, media, and giving presentations to competition judges, community outreach, and management of team sponsors.

## Projects

**TFDES** | *Python, C, Machine Learning* — August 2025 – December 2025

- Created a feature-based machine learning model to detect malicious files in under 5s
- Used the EMBER2024 dataset and LGBM to create a progressive dynamic ensemble selection model
- Organized an optimized intersection system using custom graphs

**Stream Tools Suite** | *C#, Python* — December 2024 – Present

- Created a multichat display for Twitch and YouTube to combine and display the outputs of chat in real-time
- Created a keyboard input capture for a specific HID that controls livestream UI
- Created a music listener that dynamically detects Spotify music updates through Windows Media Player and displays music information on livestream

**KavTools** | *HTML, CSS, JavaScript, React, Three.js, Angular* — June 2024 – Present

- Developed a web application focused on art education and visualization using React, Three.js
- Used linear algebra and analytical geometry to calculate intersections between primitive 3D objects

## Technical Skills

**Languages**: Java, Python, C/C#/C++, Lua, MySQL, JavaScript, HTML/CSS
**Frameworks**: React, Three.js
**Developer Tools**: Git, GitHub Copilot, Docker, Google Cloud Platform, VS Code, Visual Studio
**Libraries**: pandas, NumPy, Matplotlib, Tkinter, scikit-learn