Dominic Catania

Engineering Student

Inspired college freshman looking to inspire others by and through my work

✉ dmacatania@gmail.com

☎ (682)582-5795

📍 Fort Worth

🖥 domc18.github.io/Porty

○ github.com/DomC18

SOFT SKILLS

Leadership Experience

Problem Solving

Communication Skills

Adaptive Thinking

Active Listening

Personable & Friendly

TECH SKILLS

HTML
Full Professional Proficiency

CSS
Full Professional Proficiency

Python
Full Professional Proficiency

Java
Full Professional Proficiency

Django
Full Professional Proficiency

INTERESTS

Coding | Soccer

Personal Fitness

Robotics | Pickleball

EDUCATION

High School Diploma
Nolan Catholic High School

08/2020 - 05/2024   GPA: 101

Accelerated/Honors/AP Curriculum

- Robotics Captain, Driver, & Lead Programmer
- Student House Captain
- Ambassadors Program
- Math Honors Society President
- National Honor Society
- Altar Server / Eucharistic Minister

FEATURED PROJECTS

Vigil (07/2024 - 08/ 2024)
- Designed and programmed web application using Django where users can set up configurations for their FRC robot and dynamically analyze data using Plotly

FlowNote (06/2024 - 07/2024)
- Python desktop application designed to assist users in destructuring and modularizing large-scale projects through a calendar-tree relationship using tkinter GUI

Apothiki (05/2024 - 06/2024)
- Python serving as a storage system for user credentials, includes random generation and tag-filtering system; uses tkinter GUI

TaskManager (04/2024 - 05/2024)
- Python app with tkinter GUI where the user manages to-dos; calendar, filter, and search

2024 "Carson" Robot Program (01/2024 - 04/2024)
- Java robot program for the 2024 FRC game; distance interpolation and locking to game targets using AprilTag IDs; autonomous routines with decision-making; auto-pickup and auto-score

2023 "Foniks" Robot Program (01/2023 - 04/2023)
- Java robot program for the 2023 FRC game; full-field localization and pose estimation using inverse kinematics and AprilTag IDs; autonomous routines with decision-making; auto-pickup and auto-score

ACHIEVEMENTS

Reta & HJ Haynes '46 University Scholarship (Texas A&M) (06/2024)
Merit-based scholarship covering 50%+ of expenses for top undergraduates at Texas A&M, funded by a philanthropic gift to support high-achieving students with strong academic and leadership backgrounds.

Esto Dux Leadership Award - Nolan Catholic High School (05/2024)
Awarded to two senior Student Council members who have demonstrated exceptional commitment to academic excellence and showcased core leadership characteristics and virtues

Service Hour Gold Cord (05/2024)
Awarded for over 200 hours of community service through a high school career

FIRST Robotics Championship - Team 4206 - World Semifinalists (04/2024)
Placed 3rd in the World after district, state, and world divisional competition through collaborating on complex robot designs, programming, competition strategy, & robot operation

FIRST Robotics Championship - Team 4206 - Daly Division Semifinalists (04/2023)
Demonstrated exceptional teamwork, problem-solving, & engineering skills as part of an FRC team that reached the division semifinals at the world competition

Second Degree Black Belt Tae Kwon Do (08/2020)
7 year training in Taekwondo forms, sparring, weapons & techniques; national competition in each discipline; teaching students the Bo Staff weapon; mentoring & evaluating peers & younger students