

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
- ▣ Math Honors Society President
- ▣ Student House Captain
- ▣ National Honor Society
- ▣ Ambassadors Program
- ▣ 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 and dynamically analyze data using Plotly

FlowNote (06/2024 - 07/2024)

- ▣ Python desktop application designed to assist users in deconstructing 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 todos; 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