

Dominic Catania

Honors Engineering Student

Highly motivated individual interested in computer engineering exemplifying strong leadership, problem-solving, and communication skills



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College Station



domc18.github.io/Porty



github.com/DomC18

SOFT SKILLS

Leadership Experience

Problem Solving

Communication Skills

Adaptive Thinking

Active Listening

TECH SKILLS

Python

Django

HTML/CSS

Java

Javascript

React

Microsoft Office

EDUCATION

Honors General Engineering Texas A&M University

08/2024 - 2/2025

College Station

Organizations/Activities

- Triangle Fraternity - Recruitment Chair
- Class Councils - Fish Council
- Aggie Robotics - Team WHOOP5
- Altar Server/Eucharistic Minister

WORK EXPERIENCE

Shrimp Slinger Coco Shrimp LLC

06/2023 - 12/2023

Watauga, TX

Tasks

- Preparing & expediting food; lowered average prep time by 20%
- Conducting sales; increased monthly sales by 17%
- Motivating and collaborating with other slingers

FEATURED PROJECTS

Vigil (07/2024 - 02/2025)

- Django web application; users set up configurations for their FRC robot and dynamically analyze match data using Plotly powered by Ollama AI which gives suggestions to the user on how to improve performance

PathGen (10/2024 - 12/2024)

- React web application; users build straight and curved paths for VEXU robots; features event markers, constraint zones, and customizations for each robot

FlowNote (05/2024 - 07/2024)

- Python desktop application designed to assist users in deconstructing and modularizing large-scale projects through a calendar-tree relationship using tkinter GUI

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/AWARDS

Reta & HJ Haynes '46 University Scholarship (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.

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

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