

Dominic Catania

Engineering Student

Inspired college freshman looking to inspire others through my work



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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

Java

Javascript

React

EDUCATION

General Engineering Major Texas A&M University

08/2024 - 1/2025

College Station

Organizations/Activities

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

WORK EXPERIENCE

Shrimp Slinger Coco Shrimp LLC

06/2023 - 12/2023

Watauga, TX

Tasks

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

FEATURED PROJECTS

Vigil (07/2024 - 1/2025)

- Designed and programmed web application using Django where users can set up configurations for their FRC robot and dynamically analyze data using Plotly

PathGen (10/2024 - 12/2024)

- Designed and programmed web application using React where users can build paths for VEXU robots, including straight and curved paths, 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

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