

# Dominic Catania

## Computer Engineering Student

Highly motivated individual exemplifying strong leadership, problem-solving, and communication skills



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College Station



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## SOFT SKILLS

Leadership Experience

Problem Solving

Communication Skills

Adaptive Thinking

Active Listening

## TECH SKILLS

Python

Django

HTML/CSS

Java

Javascript

React

Microsoft Office

## EDUCATION

### B.S. Computer Engineering with University Honors Texas A&M University

08/2024 - 05/2028

College Station

Organizations/Activities

- Triangle Fraternity - Recruitment Chair
- Class Councils - Fish Co Counselor
- Aggie Data Science Club
- 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

### Red Light Green Light (04/2025)

- Set of scripts designed for the Spring 2025 Datathon held at Texas A&M University. Utilized Python Selenium library to scrape element data and make appropriate moves in the Squid Game "Red Light Green Light".

### Vigil (07/2024 - 01/2025)

- 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

## ACHIEVEMENTS/AWARDS

### Second Place at Datathon Lite (04/2025)

Secured second place in the Texas A&M Spring Datathon Lite by developing an innovative web scraping data analysis project that demonstrated strong problem-solving skills and effective teamwork

### 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