# Daniel Ramirez

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## EDUCATION

**University of Central Florida** (3.5 GPA) — Orlando, FL
*Bachelor of Science in Computer Science* — *May 2027*

**Honors and Awards**: Florida Bright Futures Academic Scholar, Top 10 Knights, Dean's List (2 semesters)
**Activities**: Knight Hacks, Society of Hispanic Professional Engineers (SHPE)

## EXPERIENCE

**Mister Car Wash** — June 2023 - Present
*Guest Service Specialist* — *Orlando, FL*

- Provide clear, concise **technical guidance** to enhance customer understanding and overall experience
- Efficiently multitask in a **fast paced environment** to ensure smooth, efficient operations for **100+ vehicles** per hour
- Collaborate with team members to **optimize workflows**, improving service quality and workplace organization

## PROJECTS

**Smart City Traffic Assistant** | *Python, Flask, OpenAI API, TomTom API* — *September 2024*

- Utilized **Flask** to develop a web interface, handling user inputs and efficiently managing API requests for traffic data
- Leveraged TomTom API to fetch live traffic data, **improving route accuracy by 25%** compared to standard navigation systems
- Integrated **OpenAI API** to generate real time, context aware traffic route suggestions using GPT-4 for optimized route planning

**Rankings Parser Tool** | *HTML, CSS, JavaScript, Tesseract* — *September 2024*

- Automated leaderboard data extraction for game server staff, **reducing data transfer time by 95%**
- Leveraged Tesseract.js to accurately capture and process leaderboard rankings and monetary values from in game screenshots
- Optimized image preprocessing with contrast adjustments, **improving OCR accuracy by 30%** for faster, reliable data capture

**AI Image Classifier** | *Flask, TensorFlow, MobileNetV2* — *August 2024*

- Implemented MobileNetV2 neural model to efficiently classify images and deliver predictions based on user uploads
- Applied **TensorFlow** for **image preprocessing** and **model inference** to achieve accurate classification results
- Configured confidence scores with corresponding classifications, providing clearer insights into **prediction reliability** for users

**ToDo List** | *HTML, CSS, JavaScript* — *July 2024*

- Designed a web app that lets users create, delete, and manage tasks using **DOM manipulation**
- Utilized **JavaScript** to improve user engagement by dynamically generating interactive list items and actions

**Dice Roller Simulation** | *Java* — *June 2024*

- Developed a Die class with **encapsulated data** to simulate random dice rolls and manage face values via **public methods**
- Programmed a Dice class using **object composition** principles to model two Die objects and calculate their combined sum
- Simulated 1,000 dice rolls, tracked outcome frequencies, and generated a histogram to analyze statistical results

**Ticket Queue Simulation** | *C* — *February 2024*

- Developed a queue management system using a **linked list** data structure to minimize operational latency
- Improved processing **efficiency by 45%** with **O(1)** enqueue and dequeue operations over traditional array based methods
- Managed **dynamic memory deallocation** to prevent leaks and **optimize** resource utilization throughout the simulation

## TECHNICAL SKILLS

**Languages**: Python, Java, JavaScript, C, HTML, CSS
**Frameworks & Tools**: Flask, Bootstrap, Git, GitHub