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

WikiParty | *Python, PyQt5, Wikipedia API* *October 2024*

- Worked with a team to develop the **front-end** for a multiplayer game where players race through Wikipedia pages via hyperlinks
- Leveraged **PyQt** to design an engaging landing page and win/loss screens, incorporating interactive, dynamic **UI elements**
- Designed the UI to display real time mouse click stats and synchronized timers, allowing players to easily track their progress
- Contributed to creating a dynamic timer that shifts from green to red, providing users a clear visual indicator of remaining time

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

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