

# Jesus Rey Gonzalez

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## EDUCATION

<b>University of Central Florida</b> <i>Bachelors of Science in Computer Science</i>	<i>May 2024 – July 2028</i> <i>Orlando, FL</i>
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## SKILLS

Languages: Python, C, Java, C++, C#, TypeScript, JavaScript, HTML, CSS, SQL
Frameworks/Tools: React, React Native, MongoDB, Docker, Git, Github, Linux, MACOS, Microsoft Word, Microsoft Sheets, Photoshop, Raspberry Pi

## PROJECTS

<b>Pathfinder - Chrome Extension</b> <i>Shell Hacks</i> <ul style="list-style-type: none"><li>Created an accessibility-focused Chrome extension that guided users through websites with step-by-step visual highlights, enhancing navigation for users with challenges and improving usability by 30%.</li><li>Implemented with a Python backend that integrates Google's ADK to interpret user prompts and generate a list of actions that is used to navigate the user through the website.</li><li>Improved on team working experience by using real world technology such as Git, Github, Devpost, &amp; Slack.</li></ul>	<i>September 2025 – September 2025</i>
<b>Home Lab Personal Project</b> <i>Personal Project</i> <ul style="list-style-type: none"><li>Engineered and maintained a smart home server using Raspberry Pi 5 devices, delivering real-time displays, network-wide ad blocking, and local streaming services, enhancing home automation efficiency.</li><li>Developed Python and Java backend to supply device data and a React frontend admin panel to monitor, analyze, and resolve bugs, improving system reliability and user management.</li></ul>	<i>January 2025 – Present</i>
<b>DronePath</b> <i>KnightHacks</i> <ul style="list-style-type: none"><li>Engineered a drone-routing optimization using greedy load balancing and weighted cost matrices that automated electric-asset inspections, cutting total flight time by approximately 30%.</li><li>Developed a real-time geospatial dashboard using Python (Plotly, Shapely) to visualize mission coverage, detect out-of-bound footage, and optimize drone utilization, enhancing operational oversight.</li><li>Secured 3rd place in Next Era Energy Challenge at KnightHacks 2025 by delivering optimized routing, automated data pipelines, and an interactive visual dashboard, enhancing energy asset inspections.</li></ul>	<i>October 2025 – October 2025</i>

## EXPERIENCE

<b>Product Flow Specialist</b> <i>Best Buy</i> <ul style="list-style-type: none"><li>Organized backroom operations, processed shipments, and maintained compliance with company merchandising and safety standards.</li><li>Managed product flow from receiving to sales floor, ensuring accurate inventory levels and timely stock of high-demand products</li><li>Collaborated with sales team to support product availability, assist with floor resets, and enhance overall store efficiency</li></ul>	<i>May 2024 – May 2027</i> <i>Orlando, FL</i>
<b>After School Counselor</b> <i>Palm Beach School Districts</i> <ul style="list-style-type: none"><li>Supervised daily student activities and managed check-out procedures, ensuring smooth transitions for students and consistent parent communication.</li><li>Promoted program efficiency and reduced incident reports by proactively supporting structured routines and clear behavioral expectations.</li></ul>	<i>October 2023 – August 2024</i> <i>Orlando, FL</i>

## EXTRACURRICULARS

<b>Florida Department of Transportation</b> <i>Knight Shadow Student</i> <p>Shadowed IT and Toll Operations teams at the Florida Department of Transportation to understand daily workflows, system management, and operational technology. Gained exposure to active infrastructure projects, including system monitoring, automation initiatives, and cross-team coordination supporting statewide tolling systems. Observed real-time problem solving, incident response, and collaborative processes used to maintain secure, reliable, and high-uptime transportation IT services.</p>	<i>December 2025 – December 2025</i> <i>Orlando, FL</i>
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## CERTIFICATIONS

<b>AI Mark Cuban Foundation Bootcamp</b> <i>FPL @ Palm Beach Gardens</i> <p>Completed a 20-hour intensive bootcamp covering emerging technologies, ethical applications, and entrepreneurship with guidance from industry mentors. Developed and presented a capstone AI project that applied real-world problem-solving and demonstrated collaboration, creativity, and data-driven thinking. Joined a network of diverse student innovators and expanded career awareness in AI and tech through hands-on learning and team-based challenges.</p>	<i>October 2023</i>
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