

Kory Parris

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Results-driven Computer Engineer with expertise in embedded systems, system optimization, cloud infrastructure, and workflow automation. Hands-on experience collaborating with NASA to enhance ISS cargo storage. Entrepreneurial background as a CEO, skilled in business operations, workflow automation, and customer relations. Passionate about problem-solving, efficiency, and innovative engineering solutions.

EXPERIENCE

NASA SENIOR DESIGN PROJECT

Boca Raton, FL

Lead Developer

2022-2023

- Designed and implemented an **autonomous cargo management system** for NASA's Astrobee robot aboard the ISS, reducing astronaut workload and improving cargo organization.
- Programmed **ESP32 microcontroller** for electromagnetic actuation and system state control, enabling autonomous cargo capture and release.
- Developed **fiducial marker tracking software** in **Python** (OpenCV, Imutils) to detect and track ArUco/AprilTag markers in real time from live camera feeds.
- Implemented **TCP socket host-client** architecture for communication of positional data, cargo IDs, and system commands (magnet control, sleep/active modes, logging).

KYRAHOSTING

Jensen Beach, FL

Chief Executive Officer / Lead Systems Engineer

2016-2023

- Founded and scaled a global hosting company serving 600+ clients worldwide with game servers, websites, VPS, and dedicated hosting solutions.
- Developed and managed **Linux-based infrastructure** (Ubuntu/Debian) in OVH data centers, leveraging **KVM virtualization** for VPS provisioning and scalability. Implemented **monitoring/uptime systems** (Site24x7, UptimeRobot) achieving >99.5% SLA compliance across all services. Integrated **WHMCS** for automated billing, client lifecycle management, and provisioning workflows, streamlining operations and reducing overhead.
- Automated daily **data backup scripts** to dedicated servers, ensuring data integrity and disaster recovery readiness. Administered **MySQL/MariaDB** databases, **DNS, SSL/TLS, and firewalls** to deliver secure, low-latency hosting environments.

EDUCATION

FLORIDA ATLANTIC UNIVERSITY

Boca Raton, FL

Bachelor of Science in Computer Engineering

2018-2023

Key Modules: Circuits, Electronics, Engineering Design, Design/Analysis of Algorithms, Artificial Intelligence, Deep Learning, Computer Operating Systems, Embedded System Design

TECHNICAL SKILLS

- **Programming & Scripting:** Python, Bash, C/C++, HTML, CSS, JavaScript, SQL, Shell
- **Embedded Systems:** Microcontroller programming, TCP/IP, ESP32, Arduino, real-time data acquisition
- **Operating Systems & Servers:** Windows, Linux (Ubuntu, Debian), KVM virtualization, OVH cloud, Amazon Web Services (AWS), VPS and dedicated server management
- **Databases & Web Services:** MySQL, MariaDB, DNS, SSL/TLS, Nginx, Apache, backup & disaster recovery
- **Networking & Security:** Firewalls (UFW, iptables), TCP/IP networking, routing, DDoS mitigation, VPNs