

Henrique Ribeiro

hsribeiro@gmail.com — (689) 837-8500 — [linkedin.com/in/henriquesilvaribeiro](https://www.linkedin.com/in/henriquesilvaribeiro) — github.com/Ghostsheep1

Education

University of Central Florida — B.S. in Electrical Engineering Florida Bright Futures Academic Scholar	Aug 2026 – Expected 2028 Orlando, FL
University of Maryland — Electrical Engineering coursework Major GPA: 3.7 — Presidential Scholar, Virtus Scholar, IEEE, Terp Rocket Team	Aug 2025 – May 2026 College Park, MD

Experience

Lockheed Martin — Systems Engineering Intern (Aerospace Division) - Support systems engineering initiatives on the Sustainability team, contributing to requirements analysis, system integration, and validation for a mission-critical enterprise platform. - Contribute to a web-based redesign and modernization effort, including AI-assisted feature development aimed at improving operational efficiency and reducing manual maintenance overhead.	May 2026 – Present Orlando, FL
Seaside Sustainability — Project Manager, Web & Technology - Lead project management for a full-scale website rebranding initiative, coordinating engineering, UX/UI, and content teams across 20+ contributors. - Directed transition from legacy platform to a modern, scalable web architecture, improving performance and maintainability.	Jan 2026 – Present Remote
Autodesk — Design & Make Ambassador - Selected to represent Autodesk within a global cohort of student engineers and designers, engaging with design and engineering tools across hardware, software, and system-level applications. - Share technical insights, projects, and learning resources through community challenges and outreach initiatives.	Jan 2026 – Present Remote
Orange County Public Schools — Information Technology Intern - Reimaged and deployed 2,000+ student laptops by configuring BIOS settings, imaging media, and installing district-standard OS builds. - Installed and configured classroom workstations and peripherals, troubleshooting hardware issues across multiple campuses to ensure operational readiness.	May 2024 – Aug 2024 Orlando, FL
Lockheed Martin — Information Technology Intern - Refactored the registration platform for CodeQuest, a global competition used by thousands of participants, implementing feature updates in Java, Python, and TypeScript. - Collaborated with cross-functional teams to test, validate, and deploy updates within a security-focused engineering organization.	May 2023 – Sep 2023 Remote
SmartX Technology — Information Technology Intern - Supported IT infrastructure and technical operations for business clients across hardware and software systems, improving system uptime. - Assisted with technical documentation, system setup, and troubleshooting to improve operational reliability.	May 2022 – Aug 2022 Orlando, FL

Skills

Programming: Python, Java, JavaScript, C++, Swift, SQL, HTML/CSS
Tools & Platforms: Git, LaTeX, Linux, MatLab, Microsoft Office, SvelteKit, Tailwind CSS
Hardware/Embedded: Arduino, CAD (Fusion 360), circuit design, sensors, embedded systems, IoT devices, RFID
Languages: English (Native), Portuguese (Native), Spanish (Proficient)

Projects

Knight Planner — UCF Schedule Planning Platform - Built a full-stack schedule planning app (SvelteKit, TypeScript, Tailwind) integrating three live data sources — UCF's Kuali catalog, myUCF class sections, and RateMyProfessors — for real-time course search and ratings. - Developed a constraint-based schedule generator (time, day, open seats, gaps, credit load) with multi-schedule saving, .ics calendar export, and local-first storage requiring no account creation.	Jun 2026 – Present Remote
UMD Over-Terrain Vehicle (OTV) — Project Manager & Engineer - Led an 8-member team managing budgeting, scheduling, and iterative testing cycles for an autonomous over-terrain vehicle system. - Engineered Arduino-based control systems and sensor pipelines, improving data acquisition reliability and system-level integration.	Aug 2025 – Dec 2025 College Park, MD
Programming the Future (Non-Profit) — Founder Founded and led a nonprofit delivering programming education to underserved schools, reaching 500+ students through workshops run by 20+ coordinated volunteers.	Mar 2024 – May 2025 Orlando, FL

Additional academic and personal projects: github.com/Ghostsheep1