

Cristian Jenkins

Electronics Engineering Intern

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SUMMARY

Enthusiastic recent graduate passionate about electrical systems design and optimization. Experience in HVAC applications with practical skills in collaborating within diverse teams. Committed to delivering streamlined solutions through efficient problem-solving, extensive testing, and rigorous documentation. Adept at communicating complex engineering concepts clearly while ensuring compliance with high standards. Eager to contribute innovative ideas and hands-on capabilities to drive project success.

EDUCATION

Bachelor's Degree in Electronics Engineering

University of Miami 🎓 GPA: 3.7 📅 2026 📍 Miami, FL

Coursework: Circuit Analysis, System Dynamics, Control Systems, Signal Processing

TECHNICAL SKILLS

- **Software Tools:** MATLAB, LabVIEW, Multisim
- **Engineering Standards:** ISO 9001, IEEE, IPC
- **Design Tools:** AutoCAD, SolidWorks, PSpice
- **Testing Equipment:** Oscilloscope, Multimeter, Function Generator
- **Development Frameworks:** Agile, Lean
- **Documentation Platforms:** Microsoft Word, Google Docs, LaTeX
- **Project Management Software:** Trello, Asana
- **Simulation Software:** Simulink, Ansys
- **Laboratory Techniques:** Soldering, Circuit Assembly, Prototyping
- **Safety Certifications:** CPR, First Aid, OSHA

SKILLS

- Circuit Analysis
- System Optimization
- Electrical Design
- CAD Software
- Team Collaboration
- Technical Documentation
- Communication Skills
- Testing Methodologies
- Project Management
- Safety Protocols
- Signal Processing
- Data Analysis
- Performance Testing
- Specification Development
- Renewable Energy Systems

EXPERIENCE

Electronics Engineering Intern

University Project 📅 June 2025 – August 2026 📍 Coral Gables, FL

Assisted in the research and development of advanced electronic systems for heating ventilation applications, focusing on improving performance and adhering to safety requirements throughout multi-disciplinary collaborations. Owned the design flow from conceptual stage through validation, optimizing system specifications to enhance functionality.

- Collaborated with engineers to create seamless designs for water source heat pumps.
- Executed tests and simulations, analyzing results for component reliability and efficiency.
- Documented findings in structured reports delivered to stakeholders regularly.
- Involved in the development and updates of technical diagrams to reflect modifications.
- Worked closely with manufacturing teams to ensure practical application of concepts.
- Participated in safety protocol adherence during experimental phases, fostering a secure environment.

Research Assistant

Academic Research 📅 January 2025 – May 2025 📍 Coral Gables, FL

Conducted detailed analysis in renewable energy, examining circuit designs to yield experimental findings that support innovative control strategies. Enhanced team synergy through consistent communication across faculty and students, introducing novel techniques explored through rigorous methodology.

- Evaluated electrical circuits highlighting adaptive improvements integrated personally.
- Revised academic discussions by actively participating in seminars regarding findings.
- Facilitated data management and presented summaries for oppressing revision cycles.
- Supported prototype iterations for added learning insight leading to finalized outcomes.

- Crafted presentation materials supplementing actual symposium engagements periodically.
- Realized enhancements in collaboration by being a key resource among peers.

Capstone Project Developer

Capstone Project 📅 August 2024 – December 2024 📍 Coral Gables, FL

Directed a team in creating an energy-efficient HVAC controller integrating software logic into hardware networks, establishing robust frameworks through precise planning and execution of prototypes; received acclaim from reviewing panel for exceptional quality and imaginative acknowledgement.

- Designed intricate harness drawings while aligning fabrications with industry codes.
- Implemented successive testing measures using specific standards achieving hurdle-based targets.
- Emphasized documentation in keeping clarity over timeframes concerning progress reports.
- Communicated ongoing changes effectively with all members enabling fluid teamwork.
- Engaged various mentors bracing their feedback which fine-tuned outcomes significantly.
- Showcased results distinctively approaching peer evaluation moments passing through projects.

LEADERSHIP & AWARDS

- Dean's List, University of Miami (2024, 2025)
- First Place, University Hackathon (2025)

CERTIFICATIONS

- Certified in Electrical and Electronics Engineering Fundamentals 📅 2025
- OSHA Safety Certification 📅 2025

PROFESSIONAL AFFILIATIONS

- Member, Electronics Engineering Society
- Volunteer, Local STEM Outreach Program

LANGUAGES

- English (Native)
- Spanish (Proficient)

ADDITIONAL INFORMATION

Work Status : Authorized to work in United States. No sponsorship required.

REFERENCES

AVAILABLE ON REQUEST