

Daniel Roque De Escobar

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EDUCATION

Florida International University, Miami, Florida

BS Computer Engineering, BS Mathematics

Expected May 2026

Relevant Course Work

- Java Programming taught by Google In Residence
- C & C++ Programming
- Ethical Hacking & Countermeasures
- Circuit & Logic Design
- Multivariate Statistics

SKILLS

Programming Languages: Java, C, C++, Verilog, Python, Perl, VHDL, HTML & CSS, TypeScript

Technologies: Oracle Cloud, Docker, Git, Perforce, Linux, React, Next.JS,

Trilingual: Fluent in English, American Sign Language, and Spanish

LEADERSHIP & WORK EXPERIENCE

Nvidia Asic Engineering Intern, Santa Clara, CA

May 2024 – August 2024

- Developed and maintained an internal tool for tracking Coverity report violations, improving issue tracking efficiency and reducing violation resolution time by 20% with 100 users
- Developed proficiency in using advanced tools and technologies for ASIC design and verification
- Completed specialized training in CUDA and accelerated computing, enhancing the ability to develop high-performance applications and leverage parallel processing for complex computational tasks.

Electrical and Software CanSat Design Lead, Miami, FL

September 2023 - Present

- Directed a team of three Computer Engineers in the comprehensive development of both the electrical and software designs for the satellite.
- Maintained a large file version control server dedicated to supporting mechanical engineers, ensuring effective tracking and management of their CAD files. Achieved a weekly time savings of 2 hours by streamlining the uploading and organizing processes.
- Led comprehensive research efforts and assumed responsibility for procurement decisions regarding electronic components and sensors, managing a budget of \$1000.

Calculus 3 Learning Assistant, Miami, FL

August 2023 - Present

- Led after-school sessions for up to 30 students, impacting academic achievement and improved understanding of multivariable calculus topics
- Partnered with lead professor to co-deliver comprehensive in-classroom instruction to an audience of 50 students

Research @ Serlop Labs Florida International University, Miami, FL

March 2023 - July 2023

- Learned Verilog, VHDL and circuit logic in a laboratory environment
- Collaborated with a team of researchers to conduct hardware security testing, aimed at detecting critical vulnerabilities within computer chip supply chain.

PROJECTS

Job Sniffer, TypeScript|Google Cloud|Google Bard

@ AiAtl Atlanta, Georgia

November 2023 - November 2023

- Designed a website that leveraged AI to autonomously process user emails, discern job application correspondences and manage and notify users about impending deadlines and upcoming interviews.
- Completed the project within the challenging 36-hour timeframe at the first AI Hackathon at Georgia Tech

ASLang, Python|Computer Vision|AI|Next.js

@ KnightHacks Orlando, Florida

October 2023 - October 2023

- Developed a website using AI object detection to gameify the learning of American Sign Language
- Completed the project within the challenging 36-hour timeframe at Orlando's largest Hackathon

How Much Car, Typescript|React|CSS|Next.js|Github

@ ShellHacks Miami, Florida

September 2023 - September 2023

- Developed a website that calculates monthly car payments and matches users to vehicles based on their annual salary, with the aim of enhancing financial literacy regarding car debt
- Completed the project within the challenging 36-hour timeframe at Florida's largest Hackathon