**Daniel Roque De Escobar**

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**education**

Florida International University, Miami, Florida

**BS Computer Engineering, BS Mathematics Expected May 2026**

* 3.4 GPA

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, VDHL, HTML & CSS, TypeScript

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

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

**leadership & work experience**

**Electrical and Software CanSat Lead, Miami, FL**

***Officer* 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**

***@ Florida International University* 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

**American Sign Language Translator, Miami, FL**

***Volunteer* August 2018 - Present**

* Translated small to medium sized events for hard of hearing people ensuring accessibility for audiences of up to 20 participants
* Communicated between English, Spanish, and American Sign Language

**Research @ Serlop Labs Florida International University, Miami, FL**

***FPGA Verilog Programmer* March 2023 - July 2023**

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

**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