EVARISTO CAMPOS DE ABREU RIBEIRO

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EDUCATION

University of Notre Dame | Notre Dame, Indiana — May 2028
Bachelor of Science — GPA: 3.8
Major: Electrical Engineering | Minor: Innovation and Entrepreneurship
Awards: Grand Challenges Scholar, 2x Dean's List, Raclin Murphy Writing Competition
Activities: IEEE Student Branch VP, First-Year Engineering Teaching Assistant, SIBC, Engineering Leadership Council

University College Dublin | Dublin, Ireland (Study Abroad) — Summer 2025

Hong Kong University of Science and Technology | Hong Kong (Study Abroad) — Spring 2027

INTERNSHIP EXPERIENCE

Wabtec Corporation | Minas Gerais, Brazil — Summer 2025
Engineering Intern

- Gained broad exposure to engineering processes, such as V-model and Agile, through a rotational program across multiple teams.
- Used MATLAB coding and Simulink/Stateflow tools to write and run validation models for the engine controls team.

RESEARCH EXPERIENCE

Artificial Intelligence Research (Kaneb Center) | University of Notre Dame — May 2025 – Present

- Researched and performed testing using 10+ AI tools and their effectiveness in college education.
- Created, validated, and polished many applications of AI, including Custom GPTs and API implementations.

Holography Research (Dept. of Electrical Engineering) | University of Notre Dame — January 2025 – Present

- Studied and tested the development of low-cost (~$1) holograms under the guidance of Dr. Douglas Hall.
- Improved the quality and reliability of hologram creation with automation using optical lab instruments and tools such as spectrometers, diode laser controllers, LabVIEW, and MATLAB.

LEADERSHIP AND ACTIVITIES

Teaching Assistant for Engineering Design | Notre Dame, Indiana — May 2025 – Present

- Worked with 600+ first-year engineering students on classes, weekly office hours, and assignment development/grading.
- Effectively taught the use of crucial technical skills, such as Excel, SolidWorks, Arduino, MATLAB and Python.

IEEE - Institute of Electrical and Electronics Engineers | Notre Dame, Indiana — January 2025 – Present
Vice-President (So.), Project Lead (Fr.)

- Organized monthly meetings and special events for 50+ students, managed the club's finances and documentation.
- Led a group of EE students to design and build a robot inspired by Boston Dynamics' Spot.

SIBC – Student International Business Council | Boston, Massachusetts — January 2025 – Present
Amazon Project Leader, Amazon and Bosch Travel Team Analyst

- Led a semester-long consulting project for Amazon researching and designing improvements to Amazon Health leveraging current AWS cloud services. Modeled financial impacts, implementation timeline, and cloud architecture for the product.
- Selected from a competitive pool of 25+ students to work on 2 semester-long consulting projects for Amazon and Bosch.

FEATURED PROJECTS

Engineering Computing | University of Notre Dame — January 2025 – May 2025

- Developed a MATLAB application for 10+ years historical S&P stock data analysis, comparing statistics and generating intricate predictive investing models through statistical analysis and visualization.
- Engineered a themed robot for simulated bomb detection, programmed and refined a smart line-following and autonomous maze-solving algorithms, designed a 3D-printed casing, and integrated custom light/sound effects.

Engineering Design | University of Notre Dame — August 2024 – December 2024

- Designed and fabricated a custom guitar pedal enclosure using laser-cutting techniques and engineered and soldered the integrated electronic circuitry for full functionality.
- Designed and prototyped a 3D printed air quality sensor housing system for South Bend, using SolidWorks, servo motors, and Arduino-based microcontrollers to address environmental challenges.

TECHNICAL AND LANGUAGE SKILLS

Software: Python, C++, MATLAB, Processing, SolidWorks, Microsoft Excel, Microsoft Power Point, Bash, Vim, Simulink, Unity, C#, HTML, CSS, IBM DOORS
Language: Portuguese (Native), English (Fluent), Spanish (Intermediate)
Interests: Formula Racing, College Football, Virtual Reality, Snowboarding, Brazilian Jiu-Jitsu