

# ALEJANDRO BARROSO

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## EDUCATION

### PURDUE UNIVERSITY Indiana

Double major in Telecommunication Engineering and Data Science Engineering (Exchange program)

2022-2025

### CHARLES III UNIVERSITY OF MADRID Spain

Double major in Telecommunication Engineering and Data Science Engineering  
Overall GPA: 3.9/4

2024-2028

### UNIVERSITY OF CENTRAL FLORIDA

English studies

Summer  
2022

### UNIVERSITY OF SALAMANCA Spain

Minor in JavaScript, PHP, and MySQL Programming

2020-2022

## COMPUTER SKILLS

**Programming Languages:** C, Java, Python, MATLAB, VHDL, PHP, R

**Software:** Git, MS Office, R studio

**Operating Systems:** Apple Macintosh OSX, Microsoft Windows OS, Linux Ubuntu

**Foreign Languages:** Spanish

## WORK EXPERIENCE

### WEB DEVELOPER (Freelance)

- Utilized HTML, CSS, JavaScript, and WordPress to create dynamic and engaging web pages.
- Performed website testing, debugging, and optimization for enhanced performance and user experience
- Developed strong project management and time-management skills by balancing multiple freelance projects with deadlines.

2022-present

### MATH AND ENGLISH TEACHER Madrid, Spain

- Worked as an extracurricular English and Mathematics teacher at a high school
- Improved leadership and mentoring abilities through guiding and motivating students to achieve their academic goals.
- Developed strong organizational skills by planning lessons, managing deadlines, and balancing multiple tasks.

2023-2024

## PROJECTS

### ANLYSIS AND DESIGN OF ANALOG AND DIGITAL COMMUNICATION SYSTEMS , Electronic Devices and Analog

- Participated in a series of hands-on labs to build and operate analog circuits
- Gained experience in circuit and component modeling, amplifiers, filters and signal detection and processing

### PERSONAL WEBPAGE AND BLOG DEVELOPMENT, [www.alejandrobarrroso.com](http://www.alejandrobarrroso.com)

- Designed and developed a personal website and blog to showcase projects and share insights.
- Implemented responsive design using JavaScript, PHP, and SQL for a seamless user experience across devices.