



## Contact

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## Education

Aug. 2024 - Current  
**Study Abroad, Computer Science**

University of Waterloo, Canada  
*Relevant coursework*  
Data-Intense Distrib. Computing

Aug. 2023 - May 2024  
**Study Abroad, Computer Science**  
Georgia Tech, EE.UU.

*Relevant coursework*  
Machine Learning, Advanced Operating Systems

Sep. 2021 - Current  
**Bachelor's degree in Computer Science and Engineering**  
Universidad Carlos III de Madrid

*Relevant coursework*  
Data structures and algorithms, Files and Databases

Sep. 2010 - Jun. 2014  
**Elementary Level Piano Studies**  
Conservatorio Profesional de Música de Getafe

# David Barroso Murcia

Driven senior Computer Science student with strong problem-solving skills, passionate about front-end engineering, AI, and user experience. Eager to work with a team where I can use my 1+ year of experience developing web and mobile experiences.

## Skills

**Programming:** TypeScript, JavaScript, Python, Java, HTML, CSS  
**Libraries:** React, Next.js, GraphQL, React Native, Node.js, OpenAI API, Playwright  
**Technologies:** Ubuntu Linux, Git, Docker, AWS, PostgreSQL, PL/SQL, MongoDB  
**Languages:** English (Fluent), Spanish (Native), German (B1)

## Work Experience

**Frontend Software Engineer | Nhost** Oct 2024 - Current  
Next.js, React, TypeScript, GraphQL  
Contributing to building and enhancing Nhost's scalable front-end console.

**Frontend Development Intern | Nhost** May 2024 - Oct 2024  
Next.js, React, TypeScript, GraphQL  
Collaborated closely with senior developers and designers to deliver high-quality, maintainable code that improved user experience.

- Developed a new section in the Nhost Dashboard that provides real-time health and state information for all services, allowing users to quickly diagnose and address issues with their projects.
- Integrated a configuration editor catered to users who prefer dashboard-based project management over traditional deployment pipelines.

## Volunteering

**Full-Stack Developer | Georgia Tech XR** Dec. 2023 - Apr. 2024  
Next.js, React, TypeScript, PostgreSQL  
Led the development of the Virtual Event Platform for the 2024 Immerse GT Hackathon, Georgia Tech's extended reality hackathon with over 700 participants and \$20.000 of prizes in last year's edition.

- Development of website adjusting design to the requirements of sponsors such as WestRock and Startup Exchange.

## Projects

**F1 Deep Dive | Machine Learning Group Project** Fall 2023  
Python, Scikit-learn, Matplotlib, React, JavaScript  
Collaborative development of ML models to interpret and interactively visualize race data.

- Predicted with a 65% success rate overtakes during a race, and the winner with a 37.3% success rate.
- Implemented data visualizations using Python and React.js to make models more interactive