



## Contact

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## Education

- Aug. 2024 - Dec. 2024**  
**Study Abroad, Computer Science**  
University of Waterloo, Canada  
*Relevant coursework*  
Data-Intense Distrib. Computing
- Aug. 2023 - May 2024**  
**Study Abroad, Computer Science**  
Georgia Tech, United States  
*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 open-source software. Graduating in July 2025 and eager to join a team full-time where I can use my 1+ year of experience in web application development.

## Skills

- Programming:** TypeScript, JavaScript, Python, Java, HTML, CSS
- Technologies:** React, Next.js, React Native, Linux, Docker, Git, PostgreSQL, GraphQL
- Methodologies:** Agile/Scrum, Pair programming, Test Driven Development, CI/CD
- Languages:** English (Fluent), Spanish (Native), German (B1)

## Work Experience

- Junior Frontend Software Engineer | Nhost** **Oct. 2024 - Current**  
Next.js, React, TypeScript, GraphQL
  - Refactored the Nhost's platform Dashboard, removing 900+ files of React code, reducing complexity and cutting build times by 10.18%.
  - Integrating Hasura GraphQL Engine into the Nhost open-source console, enabling developers to manage PostgreSQL databases, execute queries, and configure features like triggers, constraints, and event automation.
- Frontend Development Intern | Nhost** **May 2024 - Oct. 2024**  
Next.js, React, TypeScript, GraphQL
  - Developed a Project Health widget, helping users self-diagnose service issues (e.g. outdated versions, failed updates, downtime). After launch, the number of unhealthy Pro apps on the platform decreased by 71% within a week.

## Volunteering

- Full-Stack Developer | Georgia Tech XR** **Dec. 2023 - Apr. 2024**  
Next.js, React, TypeScript, PostgreSQL, AWS  
Led development of the Virtual Event Platform for Immerse GT 2024, Georgia Tech's extended reality hackathon with over 700 participants and \$20.000 of prizes in last year's edition.
  - Built event website, adapting design to sponsor needs (WestRock, Startup Exchange).

## Projects

- F1 Deep Dive | Machine Learning Final Group Project** **Sep. 2023 - Dec. 2023**  
Python, Scikit-learn, Matplotlib, React, JavaScript  
Collaboratively developed ML models for race analytics and interactive data visualization using Python and React.js.
  - Predicted overtakes with 65% accuracy and race winners with a 37.3% success rate.