



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, C/C++, HTML, CSS
Libraries: React, Next.js, GraphQL, React Native, Node.js, OpenAI API, Playwright
Methodologies: Agile/Scrum, Pair programming, Test Driven Development, CI/CD
Technologies: Ubuntu Linux, Git, Docker, AWS, PostgreSQL, PL/SQL, MongoDB
Languages: English (Fluent), Spanish (Native), German (B1)

Work Experience

- Frontend Development Intern | Nhost** May 2024 - Current
Next.js, React, TypeScript, GraphQL
Contributed to building and enhancing a scalable front-end console using React, TypeScript, and 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
Leading 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