

GUILLERMO BERNAL

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SUMMARY

Software Developer with hands-on experience in innovative technologies, including artificial intelligence, computer vision, and speech recognition, alongside a solid foundation in machine learning and data science. Proficient in Python, with project experience ranging from system development using C++ and Rust to implementing blockchain solutions in Java. Additionally, skilled in modern web technologies (React, TypeScript, Next.js, MongoDB, and SQL) with a strong focus on UX/UI to create high-quality digital solutions. As a dedicated student passionate about continuous learning and solving technical challenges, I quickly adapt to diverse environments and projects.

EDUCATION

B.S. in Computer Science & Engineering

October 2024 - Present

National University of Distance Education (UNED), Spain

Higher Technician in Cross-Platform Application Development

September 2023 - June 2025

Nuestra Señora del Pilar Salesianos, Zaragoza, Spain

Skills in Git. Proficient in Angular, React, Tailwind and Bootstrap for front-end development. Experienced in SQL, MongoDB, SpringBoot, Java, .NET and C# for back-end development.

Overall GPA: 9.7/10

DeepLearning Specialization

March 2024

DeepLearning.AI (via Coursera)

Gained a solid foundation in Deep Learning concepts and techniques.

Built and trained Convolutional Neural Networks, Recurrent Neural Networks, LSTMs, and Transformers.

Developed real-world solutions using Python and TensorFlow for tasks such as speech recognition, music synthesis, chatbots, machine translation, and NLP.

Certified Professional in Web Application Technologies

February 2023 - July 2023

Efor Internet y Tecnología, Spain

Proficient in PHP, JavaScript, SQL and TypeScript.

Overall GPA: 10/10

User Experience Specialization

December 2023 - March 2024

Google Specialization (via Coursera)

Proficient in UX design fundamentals, including research, wireframing, and prototyping with Figma.

Designed dynamic user interfaces (UI) and improved usability for web applications.

EXPERIENCE

Tech Trainee

March 2025 - Present

Numéricco

Zaragoza, Spain

- Leveraged Three.js to incorporate dynamic 3D elements into the frontend, enhancing visual storytelling and user engagement.
- Developed advanced, custom CSS solutions to achieve precise visual designs and interactions
- Implemented multilingual support across the application using internationalization (i18n) libraries and dynamic routing for seamless user experience in multiple languages.
- Created and maintained detailed documentation for reusable UI components in a large-scale Next.js project, improving team onboarding and development consistency.

Web Developer*Freelancer*

September 2024 - Present

Remote

- Designed and developed responsive, high-performance websites and web applications using modern frameworks like React, Next.js, and Tailwind CSS.
- Collaborated with clients to gather requirements, propose solutions, and deliver projects on time and within budget.
- Implemented best practices in UI/UX design, accessibility, and cross-browser compatibility.
- Cultivated problem-solving skills by troubleshooting complex issues and identifying efficient, scalable solutions with minimal supervision.
- Developed self-sufficiency in all aspects of project delivery, including requirement analysis, design, coding, testing, and deployment.

Web Developer Intern*Forte, Formación y Tecnología*

June 2024 - July 2024

Zaragoza, Spain

- Developed and optimized PHP scripts to analyze, sanitize, and improve database performance.
- Designed and executed complex SQL queries, including stored procedures and functions, to streamline data processing and reporting.
- Created entity-relationship diagrams (ERDs) to document and enhance understanding of existing databases, facilitating onboarding for new team members.

ADDITIONAL INFORMATION

- Winner of the AWS DeepRacer Championship in Aragón, 2nd place in the AWS Jam Aragón, 3rd place in the AWS National Jam, and finalist in the AWS DeepRacer National Championship.
- Native Spanish speaker, fluent in English, intermediate proficiency in German, and basic knowledge of Japanese.
- Creative mindset with a strong interest in art and design. Skilled in multiple musical instruments.
- Volunteer experience in various fields, contributing to different initiatives and community projects.