Alvaro de Santos

+34 656 41 38 58 | alvarodesants@gmail.com | [Linkedin](#) | Website | [Github](#) | Madrid, Spain (currently in Ottawa, CA)

Education

Bachelor of Science, Computer Science. Eval: 8.00　　　　**Expected Graduation: May 2026**
Autonomous University of Madrid – Madrid, Spain

Courses: Data Structures and Algorithms, Java OOP, SQL Relational Database, Microprocessors, Load Balancing.
Activities: First year participated in a Hackathon team project.

Bachelor of Science, Mathematics. Eval: 8.00　　　　**Expected Graduation: May 2026**
Autonomous University of Madrid – Madrid, Spain

Courses: Calculus, Linear Algebra, Probability, Statistics, Differential Equations, Differential Geometry.

Courses

The Odin Project (Frontend Development)　　　　April 2024 – May 2024
Remote course — self taught

Description: Learned basic web application structure, developed several projects to test my knowledge throughout.
Topics: HTML, CSS, Javascript, React js, Redux/Flux Architecture, Data Structures and Algorithms.

Full Stack Open (Full Stack Development)　　　　May 2024 – July 2024
Remote course – self taught

Description: Learned full stack development best practices. Completed full course, achieving full credits (14 credits).
Topics: React js, Node js, Jest, Playwright, React Native, Typescript, MongoDB, PostgreSQL, Docker, GraphQL.

Projects

Imaginify (Full Stack) – SAAS for AI Stock Photo Manipulation [Website](#) | [Github](#)　　　　August 2024

- Web app that simulates a stock photo database for users. Users can login to the application and perform transformations to images leveraging the power of **AI** (background removal, colour swapping).
- Users can upload, delete and update photos. Includes a credit-based payment system.
- **Full Stack** best practices with **Next js** and **Typescript**. User authentication uses **Clerk**, AI photo transformation uses **Cloudinary's** API. **Stripe** is used for payments. Use of pagination (for image browsing) and webhooks.

Furniro (Frontend and Backend) - Ecommerce Furniture Web Application [Website](#) | [Github](#)　　　　July 2024

- Built a web application for managing users, cart and checkout for a furniture company. Users can login, signup, then add products to cart, like products, contact. All data is stored in a **Relational Database**.
- The frontend is deployed in Vercel and the backend in Render.
- **React js**, **Next js**, **Node js**, **PostgreSQL** (Supabase). The template was developed in **Figma**.

Rate repository (Frontend) - Github Repository Rating Mobile Application [Github](#)　　　　July 2024

- Mobile application which shows ratings for several demo github repositories. Users can sign up and log in. They can navigate to specific repository pages, and comment publicly. They can also modify their existing reviews.
- **React js, React Native, GraphQL, Apollo Client, CSS, React-Router.** Infinite scrolling browsing implementation.

Programming Skills: Java, Javascript/Typescript, Python, SQL, C.

Other: Git, React js, Node js, Next js, React Native, HTML, CSS/Tailwind, MongoDB, PostgreSQL, Jest, Playwright.

Interests: Sports (running, gym), Tech related youtube content, Hackathons.