Miguel Vidal Funcia
Curriculum vitae

birthday	2 April 1999
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Profile

Software developer with a passion for design and user experience. I strive to create apps with the best usability, while writing coherent, easy to maintain code. Always eager to learn new tools and technologies.

While specialized in Android apps, I like to explore other fields in my free time, such as Swift/iOS or static web development (e.g: HUGO).

Education

2019 – 2021 Technical Degree in Web App Development · ÁgorAstur (Linkia)

Work experience

Nov 2022 – Nov 2023 **Android developer - researcher · AIR Institute**

Developed innovative Android apps in a small team:

- Building high-fidelity UIs in XML and Compose based on mock-ups from the design team.
- Connecting with APIs using libraries like Retrofit, OkHttp and Gson.
- Creating attractive geographical maps with Mapbox.
- Connecting to Bluetooth Low Energy devices to transmit and receive real-time data.
- Exposing hidden functions of the Android SDK (such as *Telephony*) to the team, through Java 's *reflection* API.
- Successfully applying common design patterns and architectures such as MVVM, Clean Code, and SOLID principles.
- Working both alone as well as in a team, with an ubiquitous use of version control (Git).

02/2022 – 05/2022	**Software developer Entry · HP SCDS**

- Went through training in Android SDK, Java and Spring Boot.
- Learned important object-oriented programming concepts.
- Worked in a team with different knowledge levels: from junior to senior.

04/2021 – 07/2021	**Web developer · Fiebre**

Work in marketing and e-commerce oriented web apps. Javascript, Shopify and Wordpress.

- Implemented a script to combine images in their online store (Shopify), thus reducing the future work of the designers. Documented the feature in English for their freelance *webmaster*.
- Created their corporate landing page with CSS animations and a responsive video background.
- Worked with an interactive SVG map generator and documented its behavior.
- HTML for email: made embeddable signature cards for all members of the company.

Language skills

- Spanish (mother tongue).
- English: C2 level (through Cambridge Certificate).

Digital skills

Android SDK

- Good knowledge in Java and Kotlin.
- UI in XML-Views and Compose. I have worked in projects with both.
- Experience with common libraries such as Retrofit, Coil, Gson or Room.
- General knowledge in software design patterns. Have used MVVM pattern and *clean architecture* in production apps.

- Worked with Android's hidden APIs, using Java *reflection,* and by going through the source code of AOSP.

Web technologies

- HTML, CSS + Tailwind, JavaScript.
- Jekyll and HUGO (static sites generators).

Other

- Basic Linux knowledge (commands, file system structure).
- SQL and relational databases.