

Beatriz Alves



+351 933 142 618

beatriz.rm.alves@gmail.com



Education

MSc. in Computer Science and Engineering	2021-2024
Instituto Superior Técnico	
Erasmus exchange programme	2022-2023
Technische Universität Graz	
BSc. in Computer Science and Engineering	2017-2021
Instituto Superior Técnico	

Projects

MobeybouAR | [Portfolio](#)

Mobile AR application developed as part of my dissertation for project [Mobeybou](#). Allows creating, recording and viewing stories in markerless AR.

Currently pending release on the Play Store and App Store.

- Developed in **Unity** with **AR Foundation** and ARCore Extensions.
- Early versions used **Firebase** Storage and Realtime Database to share stories between devices.
- Validated through user tests with an elementary school class.

Matchbox | [GitHub](#), [Portfolio](#)

Web application for project matchmaking.

- Frontend developed with **HTML**, **CSS/Sass**, **JavaScript** and **Bootstrap**.
- Created views and database models using **Django**.

Highly Dependable Banking | [GitHub](#)

Banking system with Byzantine Fault Tolerant guarantees.

- Uses **Java**, **gRPC** and **PostgreSQL**.

Pool | [GitHub](#), [Portfolio](#)

Interactive pool table developed using **three.js**.

Skills

Programming languages

C#, Java, Python, SQL, HTML, CSS, JavaScript

Technologies

Git, Unity, AR Foundation, Django, React, PostgreSQL, gRPC, OpenGL, three.js

Programming concepts

Object-Oriented Programming, Software Testing, Design Patterns

Languages

English (Advanced) | Level C1

Cambridge First Certificate in English

German (Beginner) | Level A1

CLi-FLUL

Portuguese (Native)