

# David Baptista

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## EXPERIENCE

### Internship | July 2021 - August 2021

GMV Portugal, Lisbon

- Extended and improved the frontend of a web application using Angular
- Added new features to a web application using the Leaflet library
- Extended and improved the backend of a web application using ASP.NET Core

### Internship | May 2017 - July 2017, January 2018 - March 2018

VBSS Portugal, Lisbon

- Implemented a REST API in ASP.NET
- Updated a Windows Forms application to interact with the REST API
- Developed a C# Windows Forms desktop application

## EDUCATION

**Bachelor of Science in Computer Science and Engineering**, *University of Lisbon - Instituto Superior Técnico* 2018-2021

**Master of Science in Computer Science and Engineering**, *University of Lisbon - Instituto Superior Técnico* 2021-Present

**Exchange Semester**, *University of Amsterdam - Faculty of Science* Spring 2022

## RELEVANT COURSEWORK

### Medical Records Web Application - Network and Computer Security Course Project

Developed a full stack Web Application in Java and Python with a focus on the security aspect. The application had as main objectives providing fine-grained and role based resource access control, providing encryption at rest of sensitive data, JSON web token based authorization, and ensuring a secure architecture, with all communication channels using TLS.

### File Server with Two Factor Authentication - Computer Networks Course Project

Developed in C, using sockets, a file server where users can upload files, protected by 2 factor authentication performed by an authentication service.

### Bicloin - Distributed Systems Course Project

Developed a bicycle rental application in Java using gRPC. The purpose was to develop an asynchronous system and use a Strongly Consistent Records protocol in order to ensure fault tolerance, and using a quorum based approach with weighted replicas.

## TECHNICAL SKILLS

<b>Programming Languages</b>	C/C++, Python, Java, C#, Javascript, SQL
<b>Frameworks</b>	Django, gRPC, JUnit, Angular
<b>Tools</b>	Git, Docker

## LANGUAGES

<b>Portuguese</b>	Native
<b>English</b>	Fluent