Guilherme Fernandes

Software Engineering Student

Curriculum Vitae

 : Braga | ✉ : guilherme2001fernandes@hotmail.com | : https://github.com/zer0-5

Skills

Programming: Rust, Haskell, C, C++, Python, Java, Bash, Javascript, Elixir.

Databases: SQL, PostgeSQL, MongoDB.

Spoken: Portuguese Native, English C2, Spanish.

Tools: Git, Unix, Docker, gRPC, GraphQL.

Experience

2020 - 2022	**Mentor**	CoderDojo
	Non-profit that aims to teach young people how to code.	
2022	**Backend Dev Intern**	Uphold
	Worked with a team to improve the backend code and introduce new features. Final grade of 5/5.	
2022 - Now	**Researcher**	HASLab
	Working on distributed storage systems.	

Highlighted Projects

C++	solaris	
	A 3D engine and model generator written on top of OpenGL.	
Python	Koala	Grade: 20/20
	Template Language inspired by Pandoc.	
Python	yaPP	Grade: 20/20
	PreProcessor for HTML and LaTeX.	
Java	Smart Link	Grade: 19/20
	Application to manage houses with smart devices	
Python	Raft	Grade: 18/20
	Raft implementation with a leaseholder and read quorums	
C++/Rust	**mtr**	
	Applications that aims to reproduce filesystem metadata operations.	

Education

2019 - 2022	**Bachelors on Software Engineering**	**University of Minho** Average: 16
2022 - Now	**Masters on Software Engineering - Formal Methods and Distributed Systems**	**University of Minho**