

Pedro Mendes

Informatics Engineering Student at Instituto Superior Técnico de Lisboa

Curriculum Vitae

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Skills

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

Markup \LaTeX , Markdown, Html, CSS.

Databases: SQL (mysql, postgres), NO-SQL (mongodb, neo4j).

Tools: Advanced Git knowledge, Linux, GNU core utils, Docker.

Highlighted Projects

C++ & Go	Internet of Sensors and Actuators Assembled an arduino with various sensors and one with various leds and established high throughput, low latency and reliable connection between them over the internet	Repository Grade 16/20
C++	Generic Graphic Engine (University project) A generic graphics engine, capable of efficiently rendering any kind of scene defined in an XML configuration file	Repository Grade 20/20
Rust	Scryfall A type safe and complete wrapper around a REST API for fetching and searching for cards from the Magic: The Gathering™ card game.	Crates.io
Java	An auto scalling sudoku solver Using AWS's API's and by instrumenting the code of a sudoku solving program we were able to scale up and down the resources available to the application according to how much computing power it was needing in real time	Repository Grade 17/20
Kotlin & Rust	Secure Child Tracking Service (University project) Developed a secure and easy to use app that allows parents to track where their child is, taking care to not compromise the sensitive data the app needs to work with.	Repository Grade 19/20

Experience

2019–∞	Open source contributions rust-lang/rust serenity-rs/serenity	Github
2019	SEI: Semana da Engenharia Informática An event populated with talks and workshops with various companies. I developed the frontend for the event's badge collecting competition.	CeSIUM
2018–Now	Co-Creator of the official MiEI Discord A 1000+ member discord community focused on helping new students and sharing knowledge, where I have provided extensive tutoring and provided a space for new students to feel welcomed and included.	Discord
2018–2020	Member of CAOS An open source group at CeSIUM, the software engineering student centre at Minho University.	CeSIUM

Education

2019 — Now	Masters in Information Systems and Computer Engineering Network and Computer Security: 15/20 Advanced Programming: 18/20	IST
2015 — 2019	Bachelors in Science of Computer Engineering Grade Average: 15/20 Informatics Labs (1, 2, 3 and 4) Average: 19/20 Algorithms and Complexity: 16/20 Program Calculus: 20/20 Imperative and OO programming: 18/20 and 19/20 (respectively) Compilers: 17/20	University of Minho