Diogo Ribeiro

+351968271795 | slysherz@gmail.com | https://slysherz.blogspot.com | https://github.com/slysherz

Summary

- Enthusiastic self-taught programmer with a background that focuses on learning concepts rather than tools. With a wide range of interests, quickly masters wildly different topics to find the best solutions for the problems at hand.

Experience

Fabamaq
Porto, Portugal

SOFTWARE ENGINEER
Mar. 2017 - Sep 2018

- Contributed to design, develop and calculate payouts for casino games (Bingo, Spins, Blackjack) that are played in countries all over the world
- Responsible for speeding up the creation and updates of games — re-implemented the game rules' component (C++), developed a general-purpose optimizer and other tools to inspect and analyze the game (NodeJS)

Khan Academy
Remote, USA

CONSULTANT
Feb. 2019 - Aug 2018

- Developed programming challenges that help thousands of students learning how to program and simulate natural behaviour using JavaScript

Forgotten Empires
Remote, Europe

MAP MAKER
Feb. 2019 - June 2019

- Developed the perfectly mirrored maps for Age of Mythology: Tale of the Dragon
- Implemented all the functionality necessary to create mirrored maps: math and trigonometric functions, forest shape generation and accurate object placement using a C like language

Skills

- Advanced knowledge of JavaScript, C/C++, Ruby and Rust
- Some experience with Elixir, Lisp, HTML, Haskell and Octave
- Advanced knowledge of Maths and Physics
- Some experience with Protocol Buffers, Language Parsers and Machine Learning
- Loves solving problems, especially the hard ones

Projects

VS Code Comment Box

- VS Code extension to generate configurable comment boxes with 1.5k users, written in JavaScript: `https://marketplace.visualstudio.com/items?itemName=slysherz.comment-box`

Polar Send to Watch

- A couple of applications to create phased training session plans and send them to your Polar watch:
- A web application to create the training plan, in JavaScript + HTML: `https://slysherz.github.io/polar-training-session-tool`
- A stand-alone application to send the training plan to your watch, via USB, written in Rust: `https://github.com/slysherz/polar-send-training`

Papercut, 2D Physics Engine

- Simple 2D Physics engine built from scratch, in JavaScript: `https://www.khanacademy.org/computer-programming/papercut-2d-physics-engine/5612588161368064`

And much more :)

- A simple 3D Graphics Engine, fractals, simulations and more than 1.5k answered questions from Khan Academy students: `https://www.khanacademy.org/profile/slysherz/projects`

Education

High School Diploma
Viana, Portugal

ESCOLA SECUNDÁRIA DE MONSERRATE
2009 - 2012

- 3.5 GPA

Physics Degree with minor in Computer Science
Porto, Portugal

FACULDADE DE CIÊNCIAS DA UNIVERSIDADE DO PORTO
Sep. 2012 - May 2014

- Attended for 1.5 years, but did *not* finish it