Ricardo Ribeiro

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Hi my name is Ricardo, I'm interested in making self-driving cars not only possible but safe. I like Systems Programming (C/C++).
Computers are insanely fast, let's make software as well.

TECHNICAL SKILLS

Languages: C/C++, Go, Python, Java, SQL (Postgres), OpenGL
Frameworks: Spring, Apache Airflow
Developer Tools: Git, Docker, Kubernetes, Bazel

EXPERIENCE

Software Engineer — Feb. 2022 – Now
CriticalTechworks (BMW) — *Porto, Portugal*

- Helping build reprocessing platform for Autonomous Driving for BMW
- Linux development environment, English speaking environment
- GitHub/Git pull requests, reviews, cherrypicking, rebasing, squashing
- **Tech:** Java Spring Backend, C++ Automotive (CAN,ETH,FLEXRAY...), Python, Apache Airflow, Ansible, Helm, Openshift, Zull CI, Docker

Software Engineer Intern — Feb. 2020 – June 2020
Faro Technologies — *Porto, Portugal*

- Designed system from scratch for a back office web app to manage product life cycle of desktop apps
- Developed frontend, backend and database modeling
- **Tech:** React (Typescript), .NET Core, EF Core, Docker

PROJECTS

3D Engine | *C++, OpenGL*

- 3D engine capable of doing basic rendering, framebuffers, lighting
- OBJ loading using tinyobjloader
- Using ImGui, Cmake, GLFW, glm

Self Driving Toy | *Python, Arduino*

- Implemented Python Kivy Server on Android
- Arduino Motor controller
- Basic Motion Control using Otsu Binarization

Greenlight API | *Go, Postgres*

- Implemented a REST api in golang for managing movies
- Custom error handling
- Postgres database integration

EDUCATION / CERTIFICATES

Machine Learning Specialization — July 2022
Coursera

Bachelor of Informatics Engineering — Sep. 2017 – Feb 2021
Instituto Superior de Engenharia do Porto — *Porto, Portugal*

IELTS Certificate — June 2021
British Council — *Porto, Portugal*