AFONSO BARRACHA

Python Econometrics Analyst
TypeScript & GraphQL Developer

Personal Info

- ♂ Male
- 🎉 10/02/1998
- 📍 Oeiras, Lisboa, Portugal

Contact Info

- 📞 (+351) 926 337 040
- ✉ barracha.afonso@gmail.com

Social Media Info

- 🔗 tugascript
- 💼 afonso-barracha
- 🌐 me.tugascript.com

Expertise Areas

- 〽 Timeseries Econometrics
- ▤ Back-end Development

Spoken Languages

- 🇵🇹 Portuguese
- 🇬🇧 English

Programming Languages

- 🐍 Python
- TS TypeScript
- 🦀 Rust
- 🎯 Dart

ABOUT ME

I am an Economics graduate with a passion for programming. After learning the basics of programming in university, I taught myself Python Data Science and GraphQL back-end programming with TypeScript and Rust.

FORMAL EDUCATION

Lisbon Higher Institute of Engineering, Lisbon, Portugal – Electrical Engineering
September 2016 - July 2017
Finished 1st year.

Beira Interior University, Covilhã, Portugal – BSc. Economics
September 2017 - June 2021
Finished with a B average of 75%.

University of Jena, Jena, Germany – Erasmus in MSc. Innovation Economics
October 2019 - July 2020
Finished 1st semester. 2nd semester got interrupted by COVID-19.

UpSkill, Lisbon, Portugal – Apprenticeship in AWS Cloud
February 2022 – August 2022
6 months apprenticeship in AWS Cloud.

INFORMAL EDUCATION

FreeCodeCamp.com, "JavaScript Algorithms and Data Structures".

Udemy.com, "MERN Stack Front To Back", "Python Django Dev To Deployment", "NestJS Zero to Hero" and "Machine Learning A-Z".

Codecademy.com, "Career Path: Data Science".

PERSONAL PROJECTS

GraphQL Fastify Template – NestJS Mercurius GraphQL Monolith Template
Language & Framework: NestJS - TypeScript
Code: https://github.com/tugascript/nestjs-graphql-monolith-fastity.

Puzzle Hack – Flutter Puzzle
Language & Framework: NestJS - TypeScript & Flutter - Dart
Back-end code: https://github.com/tugascript/flutter-slider-backend.
Application code: https://github.com/tugascript/flutter-slider-2.

Cropper – Image Editor
Language & Framework: NextJS – TypeScript
Link: https://editor.tugascript.com.
Code: https://github.com/tugascript/basic-image-editor.

Migration Effects on Income Inequality – Timeseries Analysis
Language & Framework: Python, Pandas & Statsmodels
Code: https://colab.research.google.com/drive/1Z8PnnhsDuLZB30Qom4s68rAv8OIt6FVa?usp=sharing.

ONGOING PROJECTS

TugaScript – Full Rust Blog: https://github.com/tugascript/personal-blog.

Liftgress – Fitness Tracker: https://github.com/tugascript/liftgress.

FRAMEWORKS & TECHNOLOGIES

🐍 Python	TS TypeScript	🦀 Rust	🎯 Dart
🐼 Pandas	NestJS	☀ Tokio	⚡ Flutter
Matplotlib	Ⓐ Apollo	Actix-Web	
Statsmodels	Mercurius	Async-GraphQL	