

PABLO
FOCKE



QA & DEVELOPER PYTHON,
JAVA, C++, RUST /
AI ENGINEER



CONTACT



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LANGUAGES

- English **Professional**
- French **Professional**
- Spanish **Professional**



ACOMPLISHMENTS

Scientific paper in EJOR
(European Journal of
Operational Research)
([link](#)).



Android Game,
"Cublocks" ([link](#)).



IBM AI Engineering
professional certificate
([link](#)).



Development of personal
website ([link](#)).



MY VALUES

- Passion for math & informatics
- Good attitude / motivation
- Software Craftsmanship
- Work-life balance
- Sport (Tennis & Volleyball)
- Quality > Quantity



EDUCATION



2024 IBM AI Engineering professional certificate



2021 - 2022 UGA - Master 2 - ORCO (Grenoble, France)



2020 - 2021 UGA - Master 1 - MOSIG (Grenoble, France)



Master of science in informatics at Grenoble



2017 - 2020 UGA - L1 - L3 MIN (Grenoble, France)

Mathematics and informatics at Grenoble



WORK EXPERIENCE



Agap2 - Grenoble

10/24 - 12/24

Fullstack Developer (Client: Battery testing company)

- Development of new functionalities and maintenance of an embedded software for battery testing in **Python, Angular (Typescript)**



Sogilis - Grenoble

04/23 - 06/24

Fullstack Developer (Client: Medical sector)

- Developed a medical software for measuring/handling patient samples (**ASP.NET, C#**) using **TDD** with 98% test coverage (**Agile development**).

Developer & QA (Client: Software solutions for integrated circuits)

- Implemented **CI/CD** pipelines (**Jenkins, GitLab CI, Docker**), reducing **QA test** times by 50% (codebase: **Java, Kotlin, Python** and **REST API** communication).
- Optimized** testing processes and improved **code infrastructure**.
- Collaborated within an **Agile** team of 40+ developers.
- Designed **performance** tests and **resources monitoring** for critical modules.



Open Groupe - Grenoble

12/22 - 03/23

Backend Developer (Client: Real Estate)

- Development of a mobile app connected to a server: **REST API** to connect the **frontend (Angular)**, **backend (Springboot)** , and **SQL** database.
- Developer for an **embedded software** for real estate management.



G-SCOP - Grenoble

02/22 - 09/22

Research Internship (x2)

06/20 - 08/20

- Tree search algorithm with **state-of-the-art** results (iterative beam search).
- Initial implementation in **C++**, later optimized and rewritten in **Rust** for enhanced **performance**. Publication in the EJOR journal



LIG - Grenoble

02/21 - 08/21

Research Internship

- Enhanced **search engine** using an **eye-tracking** device
- Back/Frontend** developed in **Java**, with **Python** for ET integration.
- Built a **graphical interface** in **QT** for the Eye Tracker calibration.



SKILLS

SOFT SKILLS:

- Self-management, Teamwork, Problem-solving, Rigorous, Fast learner / Adaptable, Flexibility, Critical thinking

INFORMATICS:

- Optimisation of code, Simplex algorithm, Code robustness
- Python, C, C++, C#, Rust, Java, HTML, CSS, Ocaml, ARM
- Docker, Gitlab CI, Jenkins, SVN, Maven, Spring, ASP.NET, Angular
- TDD, Parallel programming, Agile development, Pair programming
- ML, AI, LLM, Convolutional Networks (Tensorflow, Keras, pytorch)

MATHEMATICS:

- Formal logic, arithmetics, linear algebra, applied math, fourier series
- Graph theory, statistical analysis

OTHER:

- Photoshop, GIMP, AI prompt engineer, Unity3D, Game Maker, Godot, Pinnacle studio 17, Cyberlink Power Director 9, Audacity, FL Studio & Studio One