Amin Kasrou Aouam

Computer Engineer interested in bioinformatics, AI and Infrastructure as Code (IaC)

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Work Experience

Freelance, *COACE*, Ceuta, Spain.   **January 2021 – July 2021**
- System administrator of a regulatory college
- Migration from a completely undocumented Ubuntu/Windows server to NixOS
- Deployment of a VPN, a cloud, DNS server and an automated backup solution

Freelance, *Odyfo*, Remote, Spain.   **March 2020 – September 2021**
- Partial rewrite of a CRUD API that serves mobile apps using Python (FastAPI)
- Management and counsel on the management of the IT resources
- Deployment and refactoring of the Android app

Education

Master, *Bioinformatics (Engineering)*, Universiteit Gent.   **2021 – present**

Bachelor, *Computer Engineering*, Universidad de Granada.   **2017 – 2021**

Thesis   **Bachelor thesis**: Machine Learning for error correction in DNA sequencing data

Courses   **Fundamentals of Robotics**: Adams Formación

Python Programming: Universidad de Granada

Mobile apps programming for Android and iOS devices: Universidad de Granada

Arduino: Universidad de Granada

Technologies

Programming languages: Python, R, C++, Java, PHP, Shell scripting

Tools: LaTeX, Git, SQL, ZFS, Nginx, Nix, MQTT, Prometheus, Grafana

Platforms: Linux, FreeBSD, DragonFlyBSD, Android, NixOS

Personal Projects

- Telegram bot to notify students of COVID-19 cases (Python)
- Declarative configuration of a home server and workstation (Nix)
- Open source contributions to NixOS (Nix)
- Temperature and humidity monitoring with MQTT (Arduino)

Languages

English: TOEFL (106/120)

Spanish: Native

French: Native

Arabic (Moroccan dialect): Native