



# 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