



✉ akasroua@gmail.com

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# Amin Kasrou Aouam

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

## 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:**  $\text{\LaTeX}$ , Git, SQL, Nix, ZFS

**Platforms:** Linux, FreeBSD, DragonFlyBSD, Android, NixOS

## Work Experience

**Freelance**, COACE, Ceuta, Spain.

January 2021 – July 2021

- System administrator of a regulatory college
- Migration from Ubuntu server to NixOS
- Deployment of a VPN, a cloud, DNS server and an automated backup solution

**Freelance**, Odyfo, Remote, Spain.

March 2020 – September 2021

- Rewrite of CRUD API that serves mobile apps using Python (FastAPI)
- Database cleanup and migration to SQLite

**Internship**, JITKey, Remote, Spain.

February 2020 – March 2020

- Support Manager at a tourist accommodations management startup
- Interrupted due to the COVID-19 pandemic

## Personal Projects

- Telegram bot to notify students of COVID-19 cases (Python)
- Declarative configuration of a home server (Nix)
- Open source contributions to NixOS (Nix)

## Languages

**English:** TOEFL (106/120)

**Spanish:** Native

**French:** Native

**Arabic (Moroccan dialect):** Native