



Amin Kasrou Aouam

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

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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, Nix, ZFS, MQTT, Prometheus, Grafana

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)

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 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