



# Amin Kasrou Aouam

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

Ghent, Belgium  
 +32456369230  
 akasroua@disroot.org  
 akasroua  
 akasroua

## 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)

**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 logging via MQTT (Arduino)

## Languages

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

**Spanish:** Native

**French:** Native

**Arabic (Moroccan dialect):** Native