

VASCO RAMOS

Infrastructure Engineer

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EDUCATION

Computer Science (M. Sc.)

University of Minho

Grade: 18 / 20

📅 Sep 2020 – Oct 2022

📍 Braga

Computer Science (B. Eng.)

University of Aveiro

Grade: 18 / 20

📅 Sep 2017 – Jul 2020

📍 Aveiro

EXPERIENCE

Infrastructure Engineer

YData

📅 Sep 2022 – Present

📍 Porto

- Helped on the transition to centralized management of internal infrastructure, using IaC and GitOps.
- Revamped the CI/CD flows company-wide.
- Improved the monitoring and analysis strategy to enhance the company's effort on observability.
- Technologies: **AWS, Azure, Terraform, Kubernetes, Kustomize, GitHub Actions, Grafana, Prometheus, ELK**

Graduate Researcher

ALGORITMI Center

📅 Jan 2022 – Sep 2022

📍 Braga

- Researched solutions related to geofences and smart cities.
- Technologies: **Express.js, MongoDB, Firebase, GCP**

Vice Chairman

AETTUA

📅 Nov 2019 – Nov 2020

📍 Aveiro

- Coordinated a sales team of 5 students, increasing the 2019 Tech Event revenue by 30%, and an IT team of 7 students.

Software Engineering Intern

Officelan

📅 Jun 2019 – Aug 2019

📍 Viseu

- Developed a web app to help the Technical Support Team deliver better IT support.
- Technologies: **Python, Django, MySQL, HTML, jQuery**

LANGUAGES

Portuguese



English



TECHNICAL SKILLS



PROJECTS

Intelligent Cloud Resource Manager

Accenture & University of Minho

📅 Nov 2021 – Feb 2022

- Developed a web service to collect monitoring metrics, predict future usage and recommend infrastructure actions to address future needs or constraints.
- Technologies: **GCP, Python, Express.js, MySQL, Google BigQuery, React.js, ARIMA**

Kubernetes Storage Benchmarking 🔗

University of Minho

📅 Apr 2021 – Jul 2021

- Automated a Kubernetes cluster setup on on-premise servers.
- Deployed multiple I/O-heavy applications on the Kubernetes cluster.
- Benchmarked the applications to test the performance of different storage backends.
- Technologies: **Kubernetes, Docker, Helm, Kubespray, NFS, Ceph, Python, Locust.io, Collectl**

Misago - Deployment & Benchmarking 🔗

University of Minho

📅 Nov 2020 – Jan 2021

- Automated the deployment of a web-based multi-layer application using container orchestration, monitoring and benchmarking.
- Technologies: **Ansible, Docker Swarm, Docker, ELK Stack, NGINX, HAProxy, JMeter**

MOST PROUD OF



1st Place @ ThinkTwice Hackathon

University of Aveiro | Mar 2019



Mentor in the Tutoring Program @ UA

Helped integrate and advise 20 new students | 2018 – 2020