

VASCO RAMOS

Computer Science Student

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vascoalramos

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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

Junior Infrastructure Engineer

YData

📅 Sep 2022 – Present 📍 Braga

- Helped on the transition to centralized management of internal infrastructure.
- Revamped the CI/CD flows company-wide.
- Technologies: **AWS, Azure, Terraform, Kubernetes, Kubernetes, GitHub Actions, 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

AWS Azure GCP Ansible Terraform
Kubernetes Docker CI/CD Git Python
Shell JavaScript Java TICK ELK Redis
MySQL PostgreSQL MongoDB

PROJECTS

Intelligent Cloud Resource Manager

Accenture & University of Minho

📅 Nov 2021 – Feb 2022

- Developed a web system to collect monitoring metrics, predict future usage and recommend infrastructure actions to address future infrastructure 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 deployed applications to test the performance of different storage backends.
- Technologies: **Kubernetes, Docker, Helm, Kubectl, 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 following methodologies such as 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