

# VASCO GUITA

Computer Science and Engineering M.Sc. Student

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in vasco-guita

vascoguita



## EXPERIENCE

### Full Stack Developer

#### MARETEC

February 2021 – Ongoing

- Develop QGIS plugin in Python and Qt
- Create bathymetries with the MOHID model

### Lecturer

#### Instituto Superior Técnico

September 2020 to February 2021 – MEIC  
February 2019 to July 2019 – LETI

- Lecture Network and Computer Security lab. classes
- Evaluate course project and class problems
- Help students in office hours

### System Administrator

#### Instituto Superior Técnico

December 2017 to September 2019 – DEI  
March 2019 to August 2019 – DEEC

- Deploy and administer libvirt+QEMU+KVM hypervisor, Windows Domain, Linux VMs and Moodle
- Develop Moodle plugin and configure OAuth
- Automate IT infrastructure with Ansible
- Troubleshooting and user support

### Repair Technician

#### Worten

October 2017 to December 2017

- Repair computers and smartphones
- Customer service

## EDUCATION

### M.Sc. in Computer Science and Engineering

#### Instituto Superior Técnico

Sept 2018 – Ongoing

Thesis – Secure sharing of ARM TrustZone trusted storage data.

## SKILLS

Embedded Systems

Cybersecurity

Web Applications

C

Python

Git

Linux

Ansible

ARM TrustZone

OP-TEE

## PROJECTS

### Smart Coffee Machine

March 2021 – Ongoing

Remotely control Nespresso machine with ESP32-S2 MCU and set alarm to wake up the user with a cup of coffee.

### Smart TV

July 2019

Create Smart TV with Orange Pi and LibreELEC.

### Model Rocket

August 2017

Build and launch R-candy rocket in safe area.

### Model Airplane

2014 – Ongoing

Build Hawker Hurricane model with balsa wood.

## LANGUAGES

Portuguese



English



German



Polish



## VOLUNTEERING

### Counsellor at Catholic Summer Camp

July 2018

Organize activities for children from 12 to 15 years old.

### Karate Instructor at ANAM

September 2013 – March 2015

Teach Karate to children from 5 to 12 years old.

### Tutor

September 2016 – June 2017

Teach maths and portuguese to children with learning difficulties.

### Computer Repair

April 2015

Computer repair for Abrantes Hospital for hospitalized children to play.