



# DIOGO ALVES

## SOFTWARE DEVELOPER

### ABOUT ME

I am very interested in technology and the latest advances in this area. I pride myself on my persistence in facing problems and on my motivation for learning new things.

### WORK EXPERIENCE

#### Software Developer in the Cybersecurity Area

INOV | Apr 2021 - present

- Research and development of an impact assessment tool to quantify the impact of cyber-threats on organizations' business-processes;
- Development of a web application to showcase possible attack vectors in E-commerce platforms;
- Development of a network tool to detect attacks against infrastructures, based on deviations from the expected business-process flow;
- Preparation of Deliverables for European Projects.
- \* Tools & Technologies: Linux, Python, Javascript, REST API, Java, MySQL, Bash scripting, Neo4j, NGINX, Wireshark/Tshark, Docker.
- \* Cyber Security Frameworks: CVSS, NVD (CPE, CVE, CVSS), STRIDE (threat modelling), MITRE ATT&CK.

#### Android Developer (Internship)

Thales Portugal | Jul 2018 - Aug 2018

- Development of a service for Android, with the goal of capturing data from the various sensors of the smartphone, do some processing and then send it to a server, where it would be later stored and processed.
- \* Tools & Technologies: Java, Android Studio, Realm.

### EDUCATIONAL HISTORY

#### Master's in Electrical and Computer Engineering

Instituto Superior Técnico, University of Lisbon | Set 2019 - Jul 2021

- Specialization in Computer Science
- Master's Thesis: "Calculating Business Impact Assessment of Cyber-Threats"
- Final grade: 18 out of 20

#### Bachelor's in Electrical and Computer Engineering

Instituto Superior Técnico, University of Lisbon | Set 2016 - Jul 2019

- Final Grade: 18 out of 20

### CONTACTS

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### SKILLS

Full proficiency in the English language

Experience with Linux, Javascript, Python, C, Java, SQL, among others

Experience in the area of Cybersecurity

### AWARDS RECEIVED

-  Academic Excellence Diplomas (level A) 2017/2018 | 2018/2019 | 2019/2020
-  Winner of the contest BitChallenge2017 (Arduino Project)