

# ANDRÉ SILVA

## MSc in Security Information



Porto, Portugal



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mastersilvapt

## EDUCATION

### Faculty of Sciences of the University of Porto

MSc IN SECURITY INFORMATION

Porto, Portugal

09/2022 - actual

### Faculty of Sciences of the University of Porto

BSc IN COMPUTER SCIENCE. FINAL GRADE: A (17/20)

Porto, Portugal

09/2019 - 07/2022

### Escola Secundária Eça de Queirós

HIGH SCHOOL IN SCIENCES AND TECHNOLOGIES

Povoa de Varzim, Porto, Portugal

09/2016 - 08/2019

## PROFESSIONAL EXPERIENCE

### FCUP

VISITING ASSISTANT PROFESSOR

Porto, Portugal

09/2023 - actual

- Computer Networks @ Faculty of Engineering of University of Porto

### Labcc, DCC, FCUP

INTERNSHIP SYSTEM ADMINISTRATOR

Porto, Portugal

10/2022 - actual

- Hardware maintenance
- Data Center maintenance
- Proxmox
- Ceph
- Network Administrator
- Automate tasks
- Shell scripting

### DCC, FCUP

SCHOLARSHIP FOR INITIATION TO SCIENTIFIC RESEARCH

Porto, Portugal

04/2022 - 08/2023

- Privacy Awareness
- Develop Android Application
- Test Android Applications
- Android Permissions

## PROJECTS

### Theory and Practice of Security Attacks, FCUP

PENETRATION TESTING

Porto, Portugal

10/2022 - 01/2023

- FCUP

### Network Security, FCUP

IN VEHICLES NETWORK

Porto, Portugal

10/2022 - 12/2022

- CAN Networks

### Privacy Enhancing Technologies, FCUP

PRIVATE SET INTERSECTION

Porto, Portugal

10/2022 - 12/2022

### Security Operations, FCUP

SOC

Porto, Portugal

09/2022 - 12/2022

- DNS Poisoning
- SSH MITM
- Filebeat



## ABOUT ME

Master's Degree in Security Information,  
Bachelor's Degree in Computer Science,  
Engineer, Software geek

## SKILLS

C

Java

Bash

Haskell

C++

Python

Ansible

0

+500 h

## LANGUAGES

**Portuguese** • Mother tongue

**English** • Fluent (B2 Equivalent)

## HOBBIES

Programming, Gaming

## NON PROFIT

- Student Associations, 3 years (Member, Member, Treasurer)
- Monitoring Committee of Bachelor's Degree in Computer Science at FCUP

## Privacy Enhancing Technologies, FCUP

ANATOMIZING DATASET: *Crimes no Brasil*

*Porto, Portugal*

*09/2022 - 10/2022*

## Concurrent Programming, FCUP

CHASE

*Porto, Portugal*

*04/2022 - 06/2022*

- Concurrent HashSet
- Java

## Concurrent Programming, FCUP

SiPoSo

*Porto, Portugal*

*03/2022 - 04/2022*

- Simple Polynomial Solver
- Polynomial calculations, Factorial, verify primes, Fibonacci and Maclaurin Series
- Erlang, Distributed computing

## Communication Networks, FCUP

CHAT OVER TCP

*Porto, Portugal*

*10/2021 - 01/2022*

- Server implementation, and Client with GUI
- Java

## Compilers, FCUP

TIGER-0 TO MIPS COMPILER

*Porto, Portugal*

*09/2021 - 01/2022*

- Transform high level code in Tiger-0 to Mips Assembly Code
- Lexer made in Alex, Parser made in Happy, Intermediat Code in Haskell and Assembly Code in Haskell
- Haskell, MIPS Assembly

## Artificial Intelligence, FCUP

SUPERSET

*Porto, Portugal*

*05/2021 - 06/2021*

- Predict Results of Speed Dating
- R Programming language

## Mobile Device Programming, FCUP

VANGUARD

*Porto, Portugal*

*02/2021 - 06/2021*

- Chat over bluetooth, central server to posts and comments
- Java, PHP

## Artificial Intelligence, FCUP

RASiPoGe

*Porto, Portugal*

*02/2021 - 05/2021*

- Random Simple Polygon Generator
- Small TSP
- Java, Bash

## HONORS

2019 **ESEQ**, Honor Board

*Povoa de Varzim,  
Porto, Portugal*