

ANDRÉ SILVA

Doctoral Program in Computer Science



Porto, Portugal



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mastersilvapt



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asilva-mastersilvapt

EDUCATION

Faculty of Sciences of the University of Porto

DOCTORAL PROGRAM IN COMPUTER SCIENCE

Porto, Portugal

09/2024 - actual

Faculty of Sciences of the University of Porto

MSc IN SECURITY INFORMATION. FINAL GRADE: A (17/20)

Porto, Portugal

09/2022 - 07/2024

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

- Computer Networks @ Faculty of Engineering of University of Porto
- Imperative Programming @ Faculty of Science of University of Porto

Porto, Portugal

09/2024 - present

FCUP

VISITING ASSISTANT PROFESSOR

- Computer Networks @ Faculty of Engineering of University of Porto

Porto, Portugal

09/2023 - 02/2024

C3P, UP

SYSTEM ADMINISTRATOR

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

Porto, Portugal

2023 - present

Labcc, DCC, FCUP

INTERNSHIP SYSTEM ADMINISTRATOR

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

Porto, Portugal

10/2022 - present

DCC, FCUP

SCHOLARSHIP FOR INITIATION TO SCIENTIFIC RESEARCH

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

Porto, Portugal

04/2022 - 08/2023



ABOUT ME

Engineer, Software and Hardware geek,
Home Lab

SKILLS

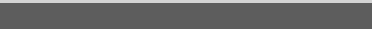
Java



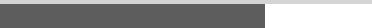
C



Bash



Python



Ansible



Haskell



C++



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

PROJECTS

Theory and Practice of Security Attacks, FCUP

PENETRATION TESTING

- FCUP

Porto, Portugal

10/2022 - 01/2023

Network Security, FCUP

IN VEHICLES NETWORK

- CAN Networks

Porto, Portugal

10/2022 - 12/2022

Privacy Enhancing Technologies, FCUP

PRIVATE SET INTERSECTION

Porto, Portugal

10/2022 - 12/2022

Security Operations, FCUP

SOC

- DNS Poisoning
- SSH MITM
- Filebeat

Porto, Portugal

09/2022 - 12/2022

Privacy Enhancing Technologies, FCUP

ANATOMIZING DATASET: *Crimes no Brasil*

Porto, Portugal

09/2022 - 10/2022

Concurrent Programming, FCUP

CHASE

- Concurrent HashSet
- Java

Porto, Portugal

04/2022 - 06/2022

Concurrent Programming, FCUP

SiPoSo

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

Porto, Portugal

03/2022 - 04/2022

Communication Networks, FCUP

CHAT OVER TCP

- Server implementation, and Client with GUI
- Java

Porto, Portugal

10/2021 - 01/2022

Compilers, FCUP

TIGER-0 TO MIPS COMPILER

- 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

Porto, Portugal

09/2021 - 01/2022

Artificial Intelligence, FCUP

SUPERSET

- Predict Results of Speed Dating
- R Programming language

Porto, Portugal

05/2021 - 06/2021

Mobile Device Programming, FCUP

VANGUARD

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

Porto, Portugal

02/2021 - 06/2021

Artificial Intelligence, FCUP

RASIPOGE

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

Porto, Portugal

02/2021 - 05/2021

HONORS

2019 **ESEQ**, Honor Board

Povoa de Varzim,
Porto, Portugal