

CHRISTIAN PELUSO

CURRICULUM VITAE

Career Goal

My goal is to become an AI expert, competent of creating models that can digest all the data varieties. To accomplish this, I strive to improve my skills in all subjects that are related this mutable environment.



WORK EXPERIENCES

Undergraduate Internship CNR

Computer science, data processing and acquisition
CAMPOBASSO (CB)
10/2020 - 01/2021

Main activities and responsibilities: Design and implementation of a tool to convert Android applications into images through an innovative methodology, which allows to analyze the relevant areas, according to the neural network in the classification of the software in a given malware family.

Acquired skills and achieved objectives: Construction of a software in Python that imparts instructions in bash Linux/Windows, use of libraries to build images from code extracted from compiled applications, so applying reverse engineering techniques, analysis of Android software in order to detect possible payloads.
Employed as: intern/trainee - undergraduate internship | Company sector: Engineering and design

Intern ELIXIR SOLUTIONS CYBA - BRUXELLES

Computer science, data processing and acquisition
BRUXELLES (BELGIUM)
09/2017 - 12/2017

Main activities and responsibilities: Communication with customers, business management, cataloging of plausible customers with the company's areas of interest, office tasks.

Acquired skills and achieved objectives: Collaboration in a team, familiarity with the English language, general skills from working in a startup.
Employed as: intern/trainee - consulting/collaboration | Company sector: Marketing/Communication

Accountant STUDIO CONTABILE PANICHELLA GIUSEPPINA

Consultancy (management, legal, accounting,)
CAMPOBASSO (CB)
06/2016 - 06/2016

Main activities and responsibilities: Control of the goods purchased and sold carrying out a cross-check with the declared revenues subtracting from the total missing the goods declared as faulty or remaining in stock

Employed as: intern/trainee - undergraduate internship | Company sector: Administrative



ACADEMIC STUDIES

BACHELOR'S DEGREE 2017 - 2021 CERTIFIED TITLE



Università degli Studi del MOLISE (CB)
Dipartimento di Bioscienze e Territorio
INFORMATICA

L-31 - 1st level degree in Computer Science

Dissertation/thesis title: A Semi-Automated Explainability-Driven Approach for Malware Analysis through Deep Learning |
Dissertation/thesis subject: PROGRAMMAZIONE MOBILE | Thesis supervisor: MERCALDO FRANCESCO

Age at graduation: 23 | Official duration: 3 years

Final degree mark: **100/110**

Graduation date: 08/06/2021

TECHNICAL CERTIFICATE CAMPOBASSO 2017

I.T.COMMERCIALE 'L.PILLA' CAMPOBASSO (CB)

School-leaving examination mark: **85/100**

Kind of secondary school diploma: Italian secondary school diploma

FOREIGN LANGUAGE SKILLS



ENGLISH GOOD	B2	B2	B2	B2	B2
FRENCH LIMITED	A1	A1	A1	A1	A1
SPANISH LIMITED	A1	A1	A1	A1	A1

EXPECTATIONS AND FEATURES OF THE DESIRED JOB

INTENTION TO CONTINUE STUDIES: **Yes**
Graduate studies

ECONOMIC SECTOR: 1. education, training, research and development 2. computer science, data processing and acquisition 3. other services

CAREER FIELD: 1. Information systems, EDP 2. Engineering and design 3. Marketing/Communication

PREFERRED DISTRICT TO WORK IN: 1. PISA

AVAILABILITY FOR BUSINESS TRAVELS:
Not willing to travel

AVAILABILITY TO RELOCATE ABROAD: **No**



FOREIGN LANGUAGE SKILLS

English Cambridge English Language Assessment, Cambridge, 15 Jul 2016 , Europass level B1



INFORMATION TECHNOLOGY SKILLS

OFFICE AUTOMATION

Office Suite: (Highly Specialised) | **Presentation Software:** (Highly Specialised) | **Spreadsheets:** (Highly Specialised) | **Web Browser:** (Highly Specialised) | **Word Processors:** (Highly Specialised)

APPLICATION SOFTWARE

Numerical analysis: R

COMPUTER PROGRAMMING

Markup languages: CSS (Highly Specialised) , HTML (Highly Specialised) , XML | **Programming languages:** C (Foundation) , C++ (Highly Specialised) , Java (Foundation) , JavaScript (Foundation) , MatLab (Foundation) , Python (Intermediate)

ICT CERTIFICATES

Microsoft Office Specialist MOS Microsoft, 09/03/2016
Microsoft Office Specialist MOS Microsoft, 08/06/2017
Contamination Lab Pisa Università di Pisa, 22/03/2023



STUDIES AND EXPERIENCES ABROAD

BELGIUM

European Union program
Place: **BELGIO (Belgium)** | Duration: 3 (months)



EVENTS / EXHIBITIONS

PROJECT 2012

Progetto Matematica & Realtà
Math competition at the middle school level, it was my first experience in such races and I was happily surprised to be third.
Editor: Università degli Studi di Perugia
Perugia
Character: Partecipante



PUBLICATIONS

DEGREE THESIS 2021

Giacomo Iadarola, Rosangela Casolare, Fabio Martinelli, Francesco Mercaldo, Christian Peluso and Antonella Santone, A Semi-Automated Explainability-Driven Approach for Malware Analysis through Deep Learning
Institution: Consiglio Nazionale delle Ricerche
We propose a method aimed to detect the malware belonging family and automatically pointing out a subset of potentially malicious classes. The rationale behind this work aims (i) to save valuable time for the security analyst by decreasing the amount of code to analyse, and (ii) to improve the interpretability of image-based deep learning model for malware family detection.
ieeexplore.ieee.org/document/9533803