Sara De Rosa

+39 3515173092 | saraderosa1@protonmail.com | ⚱ November 6th, 1999 |
https://github.com/SaraLittleSquirrel | www.linkedin.com/in/sara-de-rosa-471939291 | Driving license: B

Work Experience

VerXo srl, *Network & Cybersecurity Intern* | Brescia (BS)   *March 2023 - May 2023*
- Developed an email phishing detection system with **ChatGPT** APIs
- Acquired better skills in programming (**Python, Django**), time management, team working and working on my own.
- Undergraduate internship of 150 hours

UBI Banca, *School-work alternation* | Brescia (BS)   *May 2017 - June 2017*
- Shadowed and learned from a colleague's tasks and responsibilities in the office.
- Areas of interest: commercial coordination, credit, management of resource development, support and control, transaction banking unit

Oratorio Santo Spirito, *Summer camp entertainer* | Brescia (BS)   *July 2013 - July 2017*
- Games **coordinator** and **manager**, responsible for daily games and activities scheduling
- Board games inventory **manager**, ensuring organization and prevention of loss.
- Led a boys' team to a victorious season as team captain.

CAF UIL, *School-work alternation* | Brescia (BS)   *May 2016 - June 2016*
- Organized invoices and tax-related documents systematically into folders for efficient record-keeping.
- Proficient in scanning and processing Form 730 for accurate documentation.
- Provided valuable reception assistance, ensuring a welcoming and organized front office environment.

Education

Master's Degree in Computer Engineering   *Final mark: 108/110*
Università degli Studi di Brescia   *2021-23*
- **Thesis title:** Implementation and experimentation of an email phishing detection system based on ChatGPT
- **Courses:** Network Security, Cybersecurity, Artificial Intelligence, ML & DM, Web Programming, HCI, 3D Vision Systems, Information Systems, Big Data, Digital Innovation.

Bachelor's Degree in Computer Engineering   *Final mark: 96/110*
Università degli Studi di Brescia   *2018-22*
- **Thesis title:** Copyright in creative works generated by artificial intelligence
- **Courses:** C & Java programming, Data Base, PLC, Fundamentals of Electronics, Telecommunications Regulations and Standards, Operation Research

Skills

Office Automation	**Digital Communication:** Gmail (Advanced), **Office Suite:** Apache OpenOffice (Intermediate), LibreOffice (Intermediate), Microsoft Office (Advanced) **Presentation Software:** Google Slides (Advanced), Microsoft PowerPoint (Advanced) **Spreadsheets:** Google Sheets (Advanced), Microsoft Excel (Advanced) **Web Browser:** Mozilla Firefox (Advanced), Tor Browser (Foundation) **Word Processors:** Google Docs (Advanced), Microsoft Word (Advanced)
Application Software	LabVIEW (Intermediate), Putty (Intermediate), Siemens TIA Portal (Intermediate), Virtual Box (Intermediate), WebRatio (Intermediate)
Computer Prorgamming	Github (Intermediate), Gurobi (Foundation), **Integrated development environments (IDE):** Eclipse (Advanced), Visual Studio Code (Advanced), **Javascript libraries:** Bootstrap (Advanced), **Markup languages:** CSS (Advanced), HTML (Advanced), LaTeX (Intermediate), **Programming languages:** C (Intermediate), Haskell (Foundation), Java (Intermediate), JavaScript (Intermediate), Lisp (Foundation), MATLAB (Advanced), Prolog (Foundation), Python (Intermediate) **Web Programming:** Django (Intermediate), PHP (Intermediate), **DBMS:** MySQL (Intermediate)
Security	Wireshark(Foundation), Google Chronicle(Foundation), Suricata(Foundation), Splunk(Foundation), Tcpdump(Foundation)

Projects

Squirrel's Lair   *Apr 2022 - June 2022*
Web platform, (Course Project)
- Developed a responsive web application using **PHP**, **Bootstrap**, **JavaScript**, and **Laravel**
- Enabled users to perform Create, Read, Update, and Delete (**CRUD**) operations on **training programs**.
- Facilitated **training program sharing** among users.
- Provided a consistent user experience on different devices.

Estimation of obesity levels based on eating habits and physical condition (Course Project)   *Aug 2022 - November 2022*
Python colab
- Created a **classifier** capable of determining the level of obesity based on physical condition and dietary habits using a predefined dataset.
- Evaluating metrics and comparing classifiers.

Certificates

2023	**Google Cybersecurity Professional Certificate**, Google Career Certificates, Coursera	*United States*
	Competences: Threat, risks and vulnerabilties, Incident response, Security framework and controls, Security hardening, Linux command line, SIEM , SQL , Python, Wirehark, Splunk, tcpudmp	
2023	**IBM Microsoft Windows Defender and Firewall for Beginners**, IBM, Coursera	*United States*
	Competences: Microsoft Windows Defender, Microsoft Windows Defender Firewall	

Languages

Italian	Native Proficiency
English	Intermediate proficiency (B2)
	Certificate: Cambridge First Certificate in English B2 - Cambridge Assessment English, 25/06/2018 - European level: B2
French	Intermediate proficiency (B1)