

Patrick Fabbiani

CYBERSECURITY STUDENT

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Summary

Innovative Computer Scientist with expertise in cybersecurity, data protection, and risk management. Skilled in identifying and mitigating security threats, with experience in encryption, firewalls, IDS, and vulnerability assessments. Proven ability to develop robust security systems and solutions to safeguard organizational assets.

Work Experience

Ca' Foscari University

INTERNSHIP

• Analyzed and tested the LiSA (Library for Static Analysis) plugin for taint analysis, identifying vulnerabilities and tracking data flow.
• Collaborated with development to improve taint tracking accuracy in database queries.
• Applied static analysis to assess security risks and prevent data leaks.
• Provided recommendations for enhancing data sanitization and security protocols.
• Documented findings and contributed to security reports to enhance database integrity.

Venice - Italy
Jun. 2024 – Current

Metropolitan City of Venice, IT Sector

INTERNSHIP

• Created thematic tables for the General Territorial Plan (PTG) to support urban planning.
• Mapped bike-sharing station locations and secondary schools in Venice using GIS tools.
• Managed and organized geospatial data for accuracy and consistency in territorial development.
• Collaborated with urban planners and local authorities for effective data-driven decision-making.
• Delivered actionable insights through visualized maps and geospatial reports
• Used QGIS to map 30+ bike-sharing stations, improving urban planning efficiency.

Venice - Italy
Nov. 2020 – Feb. 2021

Projects

SW Correctness (Go Code Analysis) - Improve code reliability
SOFTWARE DEVELOPER, ANALYZER
Web app performance evaluation (Tsung) - Database movies
SOFTWARE DEVELOPER
Face Detection (Java and OpenCV) - Viola and Jones algorithm
SOFTWARE DEVELOPER, FULL-STACK DEVELOPER, SECURITY ENGINEER
Mine Hunter Robot (Lego Mindstorm) - Team Project
SOFTWARE DEVELOPER, FULL-STACK DEVELOPER, SECURITY ENGINEER

Ca' Foscari University - MSc
Apr. 2024 - Giu. 2024
Ca' Foscari University - MSc
May 2023 - Sep. 2023
Ca' Foscari University - MSc
Nov. 2021 - Jun. 2022
Ca' Foscari University - BS
Oct. 2019 - May 2020

Education

Ca' Foscari University
MSC IN COMPUTER SCIENCE - CYBERSECURITY
• Specializing in cybersecurity, with a focus on network security, cryptography, and risk management.
• Courses include Advanced Network Security, Cryptography, Cyber Threats and Vulnerabilities, and Ethical Hacking.
• Currently conducting research on emerging cybersecurity threats and solutions.

Venice, Italy
Sep. 2022 - Mar. 2025

Ca' Foscari University
BS IN COMPUTER SCIENCE - DATA SCIENCE
• Focused on data analysis, machine learning, and statistical modeling.

Venice, Italy
Sep. 2017 - Jun. 2022

ITIS C. Zuccante
HIGH SCHOOL DIPLOMA IN COMPUTER SCIENCE
• Graduated with a focus on programming, hardware, and software development, gaining proficiency in Java, C and C++.

Venice, Italy
Sep. 2012 - Jun. 2017

Skills

Graphic Design
Web Development
Programming Languages
Microprocessors
Database Management
Data Analysis
Soft Skills
Organization
Languages
Certifications
Communication Skills
Organizational and Managerial Skills

Adobe Photoshop
HTML, CSS
Java, C, C++, Python, Scala, F-Sharp
Arduino UNO
PostgreSQL
R, Python (Pandas, NumPy), Tsung
Team Collaboration, Problem Solving, Leadership, Public Speaking, Adaptability
Project Management, Time Management
English, Spanish, interest in learning German
CISCO (CCNA Routing and Switching Introduction to Networks), B2 English certification
Good communication skills developed through group projects and teamwork.
Strong organizational skills gained from managing group projects.