Roberto Alfaro Ibáñez

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→ Portafolio WebSite ←
→ Gitbook ←

Professional Education:	**Industrial Civil Engineering** – Major in Operations Management Universidad Autónoma de Chile, Talca, Chile (marzo 2013 – agosto 2018)
Additional Programs:	**Diploma in Data Science** Universidad del Desarrollo (november 2021 – may 2022) **Bootcamp Python Full Stack** Coding Dojo (2021) **Entrepreneurship Management and Leadership** Minor at Universidad Autónoma de Chile (2015 – 2016)
Awards and Achievements:	**Scientific Initiation Program** Active participation in a Research Project (2015, 2016) **Best Industrial Civil Engineering Student Award** Universidad Autónoma de Chile (2014 and 2015) **Teaching Assistant (March 2017 – August 2018)** Operations Management I & II, Project Evaluation and Process Simulation
Certified Knowledge:	THM-Cybersec101, AppSec (CAP) and CAPC Certification Certified Ethical Hacker (Master – EC-Council) Web and API Pentesting (OWASP – Expert) ISO 27001 Auditor - Information Security Management System Git y Github, Website creation with Bootstrap 5 HTML, CSS, JavaScript and Django Machine Learning models using Python Data handling with Pandas, NumPy and Scikit-Learn
Enthusiast Knowledge:	AI and LLM Security (OWASP AI TOP 10 – Medium) AWS Cloud Pentesting (Medium) Mobile Pentesting (IOS and Android – Basic) Statistical programming and data modelling in R

Software and Programming:

Expert – Microsoft Excel
Expert – Python Programming
Expert – Herramientas de Pentesting
Expert – Herramientas de Parrot
Advanced – Excel Macros
Advanced - Burpsuite
Intermediate - Java
Intermediate - MySQL

Languages: **Español, Native**
Ingles, Level B2

C1 – Lectura	B1 – Hablado
C1 – Escucha	B2 – Escrito

Work Experience

Penetration Tester and Cybersecurity Analyst E-Virtus (October 2023 – Present)	Provider of risk analysis, penetration testing and cybersecurity consulting. Successfully delivered more than 20 penetration-testing reports using the OWASP WSTG and OWASP Top 10 as references. Joint implementation of the company's working methodology and content development for the E-Virtus blog. **[Burpsuite + Herramientas Kali Linux + OWASP ZAP + Python]**
Freelance Cybersecurity Analyst (January 2022 – Present)	Participation in Bug Bounty programs and provision of pentesting services for APIs under development, Active Directory attacks and full penetration-testing engagements. Platforms: YesWeHack, Cyscope, Hackerone.
Academic Directorate – **Teaching Processes** Universidad Autónoma de Chile, Talca, Chile (January 2021 – August 2023) **Internal Platform: Ellucian - BANNER**	Prepared semesterly budget and course enrolment projections; supported payment processing; supported faculty members and monitored academic compliance (academic calendar and attendance). **[Excel + Power Query + Power BI]** Allocated physical spaces for both campuses; launched a website to facilitate room reservations during the academic term and a document to view schedules in the institutional format. **[Booking + Power Automate + Excel]** Designed and produced a shared document linked to the main database, Room Booking and other departments to unify timetable visualization for each physical space. **[Power Query + Power Automate + Excel]** Implemented live reports in Power BI with historical data visualization; utilised Python to process data from the various servers and perform queries to obtain additional information, making it easier to deliver information to the different faculties. **[Power Query + Power BI + Python (Pandas & Requests)]** Automated repetitive processes using Python-programmed executables (auto-py-to-exe). **[Python (Pandas)]**
Independent Studies and Various Freelance Work (February 2020 – December 2020)	Various assignments involving data acquisition, processing and visualization, mainly using Excel, Python and Power BI.