Patrick Coser

Data Processor || CyberSecurity

Last update: February 6, 2024

Local	🏠 Espirito Santo
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Up-to-date version of CV is available at
○ https://patrickpca.github.io/cv-en

Resume

As an Oceanographer with additional training in Cyber Defense from FIAP, I have specialized in the intersection between ocean science and data technology, with a focus on the acquisition, processing, and analysis of oceanographic data through advanced methods. My experience ranges from the use of bathymetric technologies and GIS analysis to the application of precise positioning systems, such as RTK and DGPS, in hydrographic and geophysical service projects. I possess solid skills in handling environmental data, such as ADCP, CTD profiles, dissolved oxygen, as well as data on waves, currents, sea levels, and meteorology. My proficiency in Python programming, enhanced by knowledge in data analysis and cybersecurity, allows for the development of efficient routines for processing and presenting oceanographic data. Experience in cybersecurity complements my analytical capability, bringing a rigorous approach to the protection, analysis, and management of sensitive data, essential for the integrity and security of oceanographic projects.

Professional Experience

November de 2022 – Now
Mazars

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- Internal and External Pentesting
- Pentesting on Web Applications
- Implementation of Security Policies following guidelines from CMN, Bacen, CVM, NIST, and ISO 27K
- Monitoring, auditing, and assessing the maturity of information security processes
- Analysis and mitigation of risks and vulnerabilities in cyber security systems, applications, processes,
and infrastructures.
- Automate internal processes, creating interactive dashboards and web systems
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Pentest   Audit   Vulnerability Assessment

April de 2018 – July de 2021
EGS Brasil

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Data processing with Python and the development of technical reports for clients, incorporating
automated methods for document creation using the language. Utilized libraries include Numpy, Pandas,
Matplotlib, Cartopy, Seaborn, gsw, pylab, and pycircstat. Maintenance, testing, and development of
procedures for oceanographic electronic equipment such as SBES, ADCP, CTD and HOBO. Data acquisition
via watercraft, conducting surveys, and installing tide gauges.
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Data Analysis   Python   Geoprocessing

February de 2016 – December de 2016
Ecoceano - Junior Consulting Company in Oceanography and Environmental Education

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Managing cash flow, preparing informative reports, conducting strategic planning, and supervising advisors in the
distribution of tasks.
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Education

- Cyber Defense - Faculty of Informatics and Administration Paulista - FIAP [2022]
- Bachelor's in Oceanography - Federal University of Espírito Santo - UFES [2018]
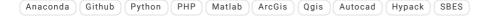
Certifications

- [New Professional Pentester and Pentester Experience - DESEC](#)
- [OPSEC - Cyber Intelligence in Practice - Vinicius Vieira](#)
- [OWASP - Application Security Verification Standard and Top Ten - Alura](#)
- [Professional Qualification Certificate in Cybersecurity - FIAP](#)
- [Professional Qualification Certificate in Information Security Management - FIAP](#)
- [The New Generation in Professional Pentesting - DeSec](#)
- [Introduction to Cybersecurity - CISCO](#)

Experience

April de 2018 – December de 2016
Data Processor

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Data analysis; Data qualification; Creation of data processing workflows; Automation of data processing.
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Anaconda | Github | Python | PHP | Matlab | ArcGis | Qgis | Autocad | Hypack | SBES

March de 2016 – December de 2016
Cyber Security

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Internal and External Pentesting; Web application pentest; Vulnerability analysis.
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Linux | Python | SQL | C | Ruby | Power Shell | Bash | Nmap | Nessus | Shodan | GitLab | GitHub | AWS | Azure

| Team Work | ●●●● | Flexibity | ●●●● | Data Analysis | ●●●● | Linux | ●●●● | Python | ●●●● | ArcGis | ●●●●○ |
| QGis | ●●●○ | Hypack | ●●●○ | GlobalMapper | ●●●○ | AutoCad | ●●●○ | | | | |

Projects

Shore Approach - Petrobras (jul-19 / mar-21)

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Coastal monitoring Jaconé (RJ), Cabiúnas (RJ), Barra do Riacho (ES) e Regência (ES).
Monthly campaigns with data acquisition of beach profiles with SBES and RTK, Quality control, and technical report.
Tide gauge installation. Mooring and retrieval of ADCP and CTD with deployment in a Sonardyne LRT.
Sidescan sonar data acquisition.
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Anaconda | Github | Python | PHP | Matlab | ArcGis | Qgis | Autocad | Hypack | HOBOware | Global Mapper | Edgetech Discover
SignatureWaves | Echart | Ruskin | SeatermV2

Programa Amazônia Integrada Sustentável (PAIS) - Rede Nacional de Ensino e Pesquisa (RNP) (May - jun 2021)

Pre lay cable route survey on Amazon River, with Bathymetric and sonographic mapping, seismic records, collection of environmen sedimentological and topography data.

Anaconda   Python   SeatermV2   Ruskin

Alcatel Submarine Network - ASN (Apr - jun 2021

Cable route survey in São Paulo, Praia Grande - Brasil. Mobilization of vessels, side scan sonar, SBES and RTK, data acquisitio and quality control.

Hypack   Echart   Scanline   HOBOware

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