

Victor Fabre Figueiredo

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Education

PHD IN ELECTRICAL ENGINEERING | IN PROGRESS SINCE 2021 | UNIVERSIDADE DE BRASÍLIA

MASTER'S IN ELECTRICAL ENGINEERING | 2019 - 2021 | UNIVERSIDADE DE BRASÍLIA

BACHELOR OF SCIENCE IN COMPUTER ENGINEERING | 2015 - 2019 | UNIVERSIDADE DE BRASÍLIA

Languages

- English: Fluent in comprehension, speaking, reading, and writing.
- Spanish: Basic comprehension, speaking, and reading.
- French: Basic comprehension, speaking, and reading.

Bibliographical Production

- V. F. Figueiredo, R. L. de Queiroz, P. A. Chou and L. S. Lopes, "Embedded Coding of Point Cloud Attributes," in IEEE Signal Processing Letters, vol. 31, pp. 890-893, 2024, doi: 10.1109/LSP.2024.3378676.
- A. L. Souto, V. F. Figueiredo, P. A. Chou and R. L. de Queiroz, "Set Partitioning in Hierarchical Trees for Point Cloud Attribute Compression," in IEEE Signal Processing Letters, vol. 28, pp. 1903-1907, 2021, doi: 10.1109/LSP.2021.3112335.
- FIGUEIREDO, Victor Fabre. Saliency-driven dynamic point cloud coding using projections onto images. 2021. 58 f., il. Dissertação (Master's In Electrical Engineering)—Universidade de Brasília, Brasília, 2021. Dissertação (Master's In Electrical Engineering)—Universidade de Brasília, Brasília, 2021. Online: <http://repositorio2.unb.br/jspui/handle/10482/42027>
- FIGUEIREDO, VICTOR F.; SANDRI, GUSTAVO L.; DE QUEIROZ, RICARDO; CHOU, PHILIP A. Saliency Maps for Point Clouds. In: 2020 IEEE 22nd International Workshop on Multimedia Signal Processing (MMSP), 2020, Tampere, Finland. 2020 IEEE 22nd International Workshop on Multimedia Signal Processing (MMSP), 2020.
- FIGUEIREDO, VICTOR F.; DE QUEIROZ, RICARDO. Mapa de Saliência para Nuvem de Pontos usando Projeções. In: XXXVIII Simpósio Brasileiro de Telecomunicações e Processamento de Sinais, 2020, Florianópolis – SC.
- SANDRI, GUSTAVO; FIGUEIREDO, VICTOR F.; CHOU, PHILIP A.; DE QUEIROZ, RICARDO. Point Cloud Compression Incorporating Region of Interest Coding. In: 2019 IEEE International Conference on Image Processing (ICIP), 2019, Taipei. 2019 IEEE International Conference on Image Processing (ICIP), 2019. p. 4370.
- SANDRI, GUSTAVO; FIGUEIREDO, VICTOR F.; CHOU, PHILIP A.; DE QUEIROZ, RICARDO. Compressão de Nuvem de Pontos Incorporando Codificação de Região de Interesse. In: XXXVII Simpósio Brasileiro de Telecomunicações e Processamento de Sinais, 2019, Petrópolis – RJ.
- FIGUEIREDO, Victor Fabre. Detecção de rostos em nuvens de pontos. 2019. 44 f., il. Trabalho de Conclusão de Curso (Bachelor Of Science In Computer Engineering) — Universidade de Brasília, Brasília, 2019. Online: <https://bdm.unb.br/handle/10483/36299>

Awards and Certifications

- Certified Threat Intelligence Analyst by EC-Council. July 2021. Credential number ECC4972316850.
- Best article in Signal Processing at XXXVII Simpósio Brasileiro de Telecomunicações e Processamento de Sinais, SBrT. (2019)

Skills and Competences

- 1. Cybersecurity Skills:**
 - a. Threat intelligence analysis
 - b. Vulnerability assessment
 - c. Incident response
 - d. Security operations
 - e. Security tool proficiency (e.g., Kibana, SIEM)
- 2. Data Analysis Skills:**
 - a. Data visualization
 - b. Query optimization
 - c. Statistical analysis
 - d. Report generation
- 3. Technical Skills:**
 - a. Programming languages: Python, C/C++, R, JavaScript
 - b. Web development frameworks: Django
 - c. Database management: PostgreSQL
 - d. Version control: Git
 - e. Linux platform usage
 - f. Docker containerization
- 4. Machine Learning and AI Skills:**
 - a. Machine learning frameworks: TensorFlow, PyTorch, OpenCV
 - b. Algorithm development and implementation
 - c. Data preprocessing and feature engineering
 - d. Model evaluation and optimization
- 5. Point Cloud Processing and Compression Skills:**
 - a. Point cloud processing algorithms
 - b. Compression techniques
 - c. Image processing for point clouds
 - d. 3D modeling and rendering
- 6. Leadership and Team Management Skills:**
 - a. Team leadership
 - b. Training and mentorship
 - c. Project management
 - d. Collaboration and communication
- 7. Soft Skills:**
 - a. Problem-solving
 - b. Critical thinking
 - c. Attention to detail
 - d. Adaptability
 - e. Time management
- 8. Volunteer Experience Skills:**
 - a. Event organization and coordination
 - b. Team management
 - c. Community engagement

Experience

CYBER THREAT INTELLIGENCE COORDINATOR

Apura Cybersecurity Intelligence

April 2021 - Present

- **Team Management:** Lead a team responsible for cyber threat intelligence activities.
- **Client Training Creation and Organization:** Developed and organized training sessions for clients to enhance their understanding of cybersecurity threats and mitigation strategies.

- **Dashboard Development:** Designed and implemented dashboards in Kibana for data visualization, providing insights into cybersecurity threats and trends.
- **Data Analysis and Report Generation:** Conducted in-depth data analysis to identify cyber threats and vulnerabilities and generated comprehensive reports for stakeholders.
- **Query Optimization:** Optimized search queries using Google Dorks techniques to enhance the efficiency and effectiveness of threat intelligence gathering.
- **BI Report Automation:** Automated the generation of internal business intelligence reports, streamlining reporting processes and improving efficiency.

OSINT ANALIST

Apura Cybersecurity Intelligence

May 2020 - April 2021

- **Data Analysis and Reporting:** Analyzed open-source intelligence (OSINT) data to identify cybersecurity threats and trends and generated detailed reports for internal and external stakeholders.
- **Query Optimization:** Utilized Google Dorks techniques to optimize search queries and improve the accuracy and relevance of threat intelligence gathering.
- **BI Report Automation:** Developed and automated internal business intelligence reports to provide timely insights into cybersecurity threats and vulnerabilities.

INTERNSHIP

Federal Senate

December 2017 - April 2019

- **Web System Development and Support:** Developed and provided support for an open-source web system using Python, Django, PostgreSQL, HTML, JavaScript, and CSS.
- **Hosting and Cloud Service Provisioning:** Managed local hosting and provided hosting and cloud services for external users, ensuring the reliability and availability of web applications.
- **Linux Platform and Docker Usage:** Utilized Linux platforms and Docker for application deployment and management, ensuring compatibility and scalability.
- **Version Control and Continuous Integration:** Implemented version control using Git and established continuous integration processes to streamline software development and deployment workflows.

RESEARCH STUDENT

Universidade De Brasília

August 2017 - August 2018

- **3D Model Development Using Kinect:** Development of 3D model data rendering and compression algorithms for use in virtual reality platforms. Image acquisition using Kinect. Creation of 3D models.

Volunteer Work

SONHAR ACORDADO

2017 - 2020

- **Event Organization:** Assisted in the organization of events at the Centro de Convivência de Santa Maria - COSE, including recreational activities and equipment assembly.
- **Childcare Assistance:** Accompanied children on outings and participated in recreational activities.

- **Board Position:** Held a board position in the coordination of volunteers for the NGO, contributing to the planning and execution of volunteer activities.
- **Volunteer Coordination:** Assisted in coordinating volunteers for the NGO's activities, including recruitment, training, and scheduling.

LAÇOS DA ALEGRIA

2017 – 2019

- **Event Organization:** Assisted in the organization of events.

ANJOS DO SIGMA

2012 - 2014

- **Event Organization:** Assisted in the organization of events including recreational activities and equipment assembly.
- **Childcare Assistance:** Accompanied children on outings and participated in recreational activities.
- **Volunteer Coordination:** Assisted in coordinating volunteers for the activities, including recruitment, training, and scheduling.