

Vinny (Vinicius) Lima

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EDUCATION

Purdue University, Polytechnic Institute

- **Ph.D. in Computer Information Technology**

*West Lafayette, IN
Aug 2021 - May 2025 (expected)*

University of Brasilia, Engineering Department

- **Master in Electrical Engineering - Computer Forensics**
- **Bachelor in Computer Engineering**

*Brasilia, Brazil
Aug 2014 - Dec 2016
Jan 2007 - Jun 2011*

MAIN SKILLS

- Machine/Deep Learning, Natural Language Processing, LLMs, OpenAI, Applied Statistics, Data Analysis.
- Programming Languages: Python, PHP, SQL, CSS, HTML, Javascript, C#, Shell Scripting.
 - Libraries: Scikit Learn, Tensorflow, NLTK, Keras, Pytorch, Matplotlib, Seaborn, Transformers.
- Tools: Tableau, Microsoft Power BI, Matlab, Photoshop, ElasticSearch/Kibana, Unity.
- **Languages:** Portuguese (fluent), Spanish (intermediate), German (basic).

PROFESSIONAL EXPERIENCE

Instructor

Purdue University, Computer Information Dept.

*Aug 2024 - present
West Lafayette, IN, USA*

→ Conducted lectures for 120+ undergraduate students on Cyber Forensics and managed two other graduate students responsible for the labs.

Teaching Assistant

Purdue University, Computer Graphics/Computer Information Dept.

*Aug 2023 - May 2024
West Lafayette, IN, USA*

→ Led Data Visualization and Cyber Forensics undergraduate courses, instructing 50+ students in each course, across two lab sections. Coordinated lab activities, assignments, and engaged students in group projects.

Research Assistant

Purdue University, Computer Graphics/Computer Information Dept.

*Aug 2021 - May 2023
West Lafayette, IN, USA*

→ Research on "Identifying Risk Patterns in Brazilian Police Reports Preceding Femicides: A LSTM Based Analysis": NLP analysis of crime reports for sentiment analysis and sequence of patterns identification. Paper accepted in 2023 IEEE GHTC.

→ Filesar+ project: Collaborating with faculty and students to develop a tool for digital forensics in network file analysis. Acquired hands-on experience in Linux, Docker, ElasticSearch, and Kibana.

→ Research on "Hotspot Prediction of Severe Traffic Accidents in the Federal District of Brazil": Applied machine learning techniques to predict accident hotspots. Paper accepted in 2023 SMART.

Data Analyst - Intern

Feeding America, Supply Chain Dept.

*Jun 2023 - Aug 2023
Chicago, IL, USA*

→ Provided impactful insights through data analysis and developed meaningful data visualization products to support team decision-making. Leveraged Python, Tableau, and NetSuite to streamline and enhance data processes.

Data Analyst

BRASA - Brazilian Student Association

*Jan 2022 - Jun 2022
(Remote)*

→ Executed data processing and analysis crucial for informing board decision-making. Gained foundational experience in AWS for content storage and extraction, contributing to efficient data management practices.

Forensic Scientist

Civil Police of the Federal District, Criminalistics Institute

*Jan 2013 - Aug 2021
Brasilia, Brazil*

→ Spearheaded the collection and examination of criminal evidence, overseeing comprehensive crime scene analyses and delivering final reports to investigators and authorities. Successfully managed and produced more than 300 forensic reports.

→ Steered the Traffic Reconstruction Sector, leading a team of 25 employees for two years, demonstrating leadership and organizational skills, ensuring the effective functioning of the team. Developed a web visualization application using MS Power BI to enhance decision-making strategies for accident prevention. Mentored two undergraduate students throughout the project.

→ Initiated and executed a social project aimed at educating public high school students on the importance of safe driving. Delivered impactful lectures to raise awareness and promote responsible driving behavior.