

Joao Pedro Haufes

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EDUCATION

Duke University	May 2026
<i>Bachelor of Science in Computer Science, Minor in French Studies</i>	<i>Durham, NC</i>
<ul style="list-style-type: none">Relevant Coursework: Data Structures, Computer Architecture, Data Science, Web Programming, Multivariable Calc., Databases, Discrete Math, Artificial Intelligence, Linear Algebra, Algorithms, NLP, Product Management.Honors: Karsh International Scholar (Full-Ride Academic Merit Scholarship).	
Incoming Software Engineer	Jul. 2026
<i>Microsoft AI - Bing Answers Team</i>	<i>Redmond, WA</i>
Software Engineer Intern	Jun. 2025 – Aug. 2025
<i>Microsoft AI - Bing Answers Team</i>	<i>Redmond, WA</i>
<ul style="list-style-type: none">Drove user engagement and satisfaction in Bing Jobs by implementing an end-to-end LLM-powered data extraction pipeline, surfacing insights (e.g., salary, PTO) across 238 global markets and closing UX gaps with competitors.Built a scalable, cost-efficient system to generate regex patterns with multilingual support, integrated into Bing's production pipeline to process millions of job descriptions daily. Developed backend services in C# with internal SQL-like tools (Scope) to expose it via APIs consumed by Bing's UX, serving 150M+ daily active users.Enabled salary metadata for over 21.6M daily jobs with 31.61% coverage and 93.39% precision, introducing salary data from a 0% baseline—boosting transparency, engagement, and downstream metrics.	

Software Engineer Intern	May 2024 – Aug. 2024
<i>BTG Pactual - IT Energy Team</i>	<i>Sao Paulo, Brazil</i>
<ul style="list-style-type: none">Developed a production-grade full-stack system enabling payments of bank accounts for energy contracts, impacting over 900 clients. Integrated with SAP and invoice APIs for data validation and account management.Collaborated closely with the operations team to understand and align their requirements, implementing scalable Python, Node.js, React, PostgreSQL, TypeScript, and AWS solutions within the energy trading ecosystem while following CI/CD best practices for testing and deployment.Achieved an 85% efficiency increase in payment processing by enhancing the accuracy and speed of handling payments for a portfolio valued at over R\$ 1 billion, demonstrating a commitment to engineering best practices.	

Undergraduate Research Assistant	Aug. 2023 – May 2024
<i>Duke University - Duke Law Data Lab</i>	<i>Durham, NC</i>
<ul style="list-style-type: none">Implemented Python scripts for data extraction and processing, reducing manual data processing time by 40%.Automated data pipelines using web scraping and REST APIs, increasing data retrieval efficiency by 35%.Analyzed complex datasets using R, providing insights that supported 3 major legal research projects.	

Data Science Intern	May 2023 – Aug. 2023
<i>Duke University</i>	<i>Durham, NC</i>
<ul style="list-style-type: none">Analyzed over 9 years of data on Brazil's college and high school education to evaluate the efficacy of racial and social educational policies.Utilized Python libraries (Pandas, NumPy, Matplotlib) on a high-performance AWS cluster for data wrangling, cleaning, and statistical analysis of 14GB of public data, converting raw data on over 40 million Brazilian students into meaningful information and visual insights.Delivered presentations and reports to Brazilian policymakers and researchers, offering actionable recommendations to enhance social and racial quota policies based on the analyzed data.	

PROJECTS

Insight Realty <i>Python, Flask, HTML, CSS, JavaScript, PostgreSQL</i>	Dec. 2024
<ul style="list-style-type: none">Developed a full-stack web application with Flask serving a REST API with HTML, CSS and JavaScript.Engineered a real estate analytics tool that calculates key metrics such as Cap Rate and Net Operating Income, incorporating advanced search functionality and user-customizable parameters.	

TECHNICAL SKILLS

Languages: Java, Python, C#, C, SQL, HTML/CSS, R, Git, Go, JavaScript, Swift.

Technologies/Frameworks: PostgreSQL, React, Node.js, TypeScript, FastAPI, AWS, Bootstrap, Microsoft Azure.