

FLÁVIA DA SILVA IESPA

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EDUCATION

Minerva University

San Francisco, California

Bachelor of Science in Computer Science & Cognitive Neuroscience

Sep 2021 - May 2025

- Focused on active learning through a 7 cities global rotation program.
- Ranked #1 most innovative university in the world by [WURI 2022](#). ~1% acceptance rate.
- Part of the Psychology Lab Initiative.
- Coursework: *Data Structures & Algorithms, Software Development, Calculus I, II, III, and IV, Linear Algebra, Theory of Computation, Introduction to Artificial Intelligence, Distributed Systems.*

SKILLS

Programming Languages: Python (proficient), Javascript (intermediate), TypeScript(Intermediate).

Web Technologies: AWS S3, AWS Redshift, HTML, CSS, MySQL, Docker, Storyblok, Flask.

Frameworks/libraries: JQuery (intermediate), React JS (intermediate), Express.js (intermediate).

Languages: English - Fluent, Portuguese - Native, Spanish - Intermediate.

RELEVANT EXPERIENCE

BTG Pactual | Software Engineer Intern | Rio de Janeiro, Brazil

May 2024 – June 2024

- Developing a cross-department internal chatbot using Python & TensorFlow reducing latency between departments.
- Architected and executed an ETL pipeline utilizing Apache NiFi for seamless data flow and preprocessing.
- Programmed the chatbot's file upload & management page using React and Tailwind CSS.

Bendcircular | Software Engineer | Hamburg, Germany

December 2023 – Present

- Enhanced our React-based website by integrating Storyblok, increasing UI update speed by 15%.
- Utilized Storyblok as the headless CMS to manage dynamic content across several projects efficiently.
- Led the deployment of Lighthouse for page monitoring improving performance, accessibility, & SEO metrics.
- Engineered authentication and email service systems using Supabase to enhance security & customer support.
- Designed Luna Flow, an full stack agile management solution using Figma and Radix UI, enhancing UI/UX by 40% and deployed it using Next.js, improving workflow efficiency by 50%.

Vetor Brasil | Data Science Intern | São Paulo, Brazil

November 2022 – February 2023

- Streamlined data aggregation for over 3,500+ students using pandas & numpy, enhancing data structure & integrity.
- Created a prototype Flask-based dashboard for displaying student data, enhancing visualization & accessibility.

Iluma Alliance | Software Engineer | North Carolina, US

May 2022 – August 2022

- Engineered five advanced data pipelines to process & transfer microbiome data from S3 Buckets to AWS Redshift.
- Developed an API for Asimetrix's database integration, facilitating data loading into Redshift via multiple pipelines.
- Designed a Python backend for microbiome data analysis & a React client portal, improving communication between farmers & scientists by 25%.
- Utilized Python, AWS Lambda, and Amazon API Gateway for scalable, high-performance data management.

PROJECTS

buildspace - INBOT | Lead Developer | Python, Transformers, TensorFlow, Slack, Microsoft Teams

- Engineered a chatbot at Buildspace leveraging NLP frameworks for corporate knowledge bases, enhancing support for 500+ employees and reducing response times by 40%.

Latin American Leadership Academy | Software Engineer Intern | Python, SQL, Node.js, Figma

- Led a strategic initiative to expand into Brazil with a contact mapping system allowing data collection for hot zones.
- Developed a Python parser script that increased the admission processing time by 40%.