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# Artur Primo

<https://www.linkedin.com/in/arturprimo/> | <https://github.com/ArturPrimo>

## Education

**Virginia Polytechnic Institute of Education | Blacksburg, VA, United States**

May 2027

- B.S. in Computer Engineering (Junior)
- Minor in Economics

## Experiences

**Software Engineering Intern @ BTG Pactual, Sao Paulo, Brazil**

June 2025 – Aug 2025

- Incoming internship at the BTG IT Legal sector.
- Responsible for the distribution and interpretation of around 20,000 legal proceeding documents per month to other sub-branches of the company.
- Utilizing LLMs and prompt engineering to gather vital information and summaries on ~50 pages long documents.
- Frameworks/Tools Used: Python, Fast API, React (JavaScript), PostgreSQL, SQLAlchemy.

**BOLT Team Member @ Virginia Tech**

October 2024 - Now

- Contributing to the construction of yearly iterations of electric motorcycles.
- Participating in the Controls team to implement CAN bus protocol around the motorcycle to receive and transfer data throughout the bike as well as allow different control units to communicate with themselves.
- Data monitoring of fuel, speed, battery voltage and capacity, and more is a new aim in the 2024/25 iteration of the motorcycle that my team is responsible of implementing.
- Focused on implementing a GUI to display and monitor real-time data using C++.
- Working on designing PCBs with Altium to implement and test CAN protocol data transfer in the motorcycle.

**Software Developer Intern @ Globo S.A., Rio de Janeiro, Brazil**

June 2024 – July 2024

- Learned about broadcasting technologies such as streaming, CDNs and service automation techniques.
- Learned about the intricacies of their flagship product, Globoplay, and its multiplatform solution and development.
- Worked closely with the automation team to create solutions to current and future demands of the company regarding its internal services.

## Projects

**Economics Analysis Automation**

June 2024

- Main tools: Python, Selenium, Gemini LLM (VertexAI), Streamlit
- Created an internal solution for Globo to analyze the financial health of companies for advertising decisions.
- Simplified the process of analyzing a company's public finances.
- Created an interface on which users can select companies to generate analysis using Streamlit.

**Research on Compression Algorithms**

March 2022 – September 2022

- Main tools: Python, ZSTD library, LZ77 library, JSON
- Primary research conducted on the comparison in time complexity, compression rate, speed, etc.
- Research focused on progression of compression algorithms over time. In particular: LZ77 in comparison to ZStandard.

## Skills

**Languages:** Portuguese (Native), English (Proficient), Spanish (Basic)

**Programming Languages:** Python, C++, Arduino Programming, Java, HTML/CSS

**Frameworks:** Altium