

## EDUCATION

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### University of Miami

Miami, FL

- *MS Electrical and Computer Engineering - Concentration on Machine Learning; GPA: 4.0* Aug 2021 - May 2023
- *BS Electrical and Electronics Engineering; GPA: 3.73* Jan 2016 - May 2019

## SKILLS SUMMARY

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- **Languages:** English (Fluent), Portuguese (Fluent), Spanish (Professional working proficiency), German (Intermediate)
- **Computer Languages:** Python, SQL, ROS, MATLAB, C++, LaTeX, Java, VHDL, ARM, Assembly, G-Code
- **Tools:** GCP, AWS, PostgreSQL, PySpark, Apache Hive, Apache Sqoop, AutoCAD, Docker, GIT, MS Office, Tableau and more
- **Libraries:** TensorFlow, Scikit-learn, NumPy, PyTorch, SciPy, Keras, BeautifulSoup, Matplotlib, Pandas, OpenCV, OpenPose, etc.
- **Skills:** Data Analytics, Data Science, Machine Learning, Team Management, Technical Product Management, Entrepreneurship

## PROFESSIONAL EXPERIENCE

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- **Novae (Fintech)** Jun 2022 - Present  
*Business Intelligence Analyst* Miami, FL
  - **Redesigned Reporting Process:** Fully automated reports for senior teams and clients, saving 1 hour of daily work and improving efficiency by over 100%, allowing management to make quick data-driven decisions. Automated API calls and database queries for Tableau dashboards.
  - **Tableau Administrator and Dashboard Creator:** Administered all Tableau accounts in the company, prepared dozens of dashboards and visualizations, and was responsible for all major reporting done through Tableau. Developed reports with different KPIs to analyze company's data trends and patterns.
  - **Data Migration and Preparation:** Programmed the company's ETL for data reporting using PostgreSQL, Tableau Prep and Python, among other tools.
  - **Presentations, Reports and Forecasting:** Created presentations and reports based on recommendations and findings from available data which were used to predict future behaviors, analysis, and budgeting.
- **Averi Capital (Finance Consulting)** Nov 2019 - Feb 2021  
*Vice President - Investments* Dubai, UAE
  - **Promoted twice within 1.5 years:** Most recently served as the Vice-President of Investments, also served as an Analyst as well as Business Development Manager for the company.
  - **Investment Pitch Deck Analysis :** Analyzed investments opportunities in emerging markets, reviewed hundreds of incoming pitch decks and rated them using the company's proprietary rating system. Led team of consultants to redevelop bankable projects, procured possible partners and suppliers for projects in the energy, real estate and healthcare industries.
  - **Financial Modeling :** Generated business plans, financial models, procurement, and presentations for over 5 different large-scale projects including an oil refinery, transmission lines, a pharmaceutical supplies factory and oil product terminals.
- **Oiltec (Product Manufacturer)** Nov 2019 - Feb 2021  
*Chief Operating Officer* Dubai, UAE
  - **Team Management:** Hired and managed different teams of up to 8 people in Ghana and Angola including the sales, HR and marketing team for the company's international subsidiaries.
  - **Product Management:** Worked with the manufacturing team, suppliers and vendors to develop over 35 different lubricant products in six categories and sold across two continents.
  - **Reporting:** Reported current the supply chain, stock and finances of the company to the shareholders semi-weekly.
  - **Operation Management:** Oversaw all production and logistics operations for the company as well as managed part of the CAPEX and OPEX budget for each of the company's subsidiaries.

## PROJECTS

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- **Crypto Mining (Crypto Currency, Electrical Engineering):** Set up multiple personal crypto (ASIC) machines to provide a continuous passive income stream. Redesigned and reengineered the entire electrical circuit and cooling system for a housing annex to handle up to 8.2kW as well as the heat from the powerful machines. (2021 - Present)
- **Big Data Scrapping Bot and Analysis (Big Data, Data Analytics):** Programmed a web crawler to automatically get data across hundreds of Google websites per hour. The data retrieval, analysis and visualization were done using big data technologies and tools such as GCP, PySpark, Python and Hadoop. (2022)
- **Building Point (Software Development, Machine Learning):** Designed and built an Android based application which recognizes tens of buildings around the University of Miami campus using a deep learning algorithm and geotagging. It then displays the building's information using Augmented Reality technology. (2019)
- **WindSound (Machine Learning, Data Analysis):** In conjunction with Florida Power and Light (FPL), assisted in the engineer of a device which listens to wind turbines and through a self made algorithm, digital signal processing and machine learning, it automatically determines whether the turbine is functioning properly with a 97% accuracy. (2019)