TIAGO
FERREIRA

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SOFTWARE EXPERIENCE

SOFTWARE DEVELOPMENT ENGINEER INTERN - PUBLICIS SAPIENT   JUN. 2019 - PRESENT
- Coded scripts to scrape web data and trained machine learning models to forecast competitor prices, increasing product **revenue**. Used time series algorithms like **ARIMA** and open source **python** libraries like **Pandas**, **Statsmodels**, and **SciPy**
- Followed DevOps methodologies and was a part of **Agile** development
- Presented data from **SQL** databases to team supervisors using data visualization libraries like **matplotlib, seaborn,** and **plotly**

SOFTWARE DEVELOPER - UNIVERSITY OF TORONTO PRE-PHARMACY CLUB   DEC. 2018 - PRESENT
- Designed and developed an online platform for **500+** students using **HTML/CSS**, **JavaScript**, **Bootstrap**, and **Vue.js**
- Optimized bounce rate by **40%**, by regularly updating and managing the website, improving content and user experience
- Analyzed data on **Google Analytics** using inferential statistical techniques and reported the research findings to the client

EDUCATION

HONOURS BACHELOR OF SCIENCE - UNIVERSITY OF TORONTO – ST. GEORGE   APRIL. 2021 (EXPECTED)
DOUBLE MAJOR IN COMPUTER SCIENCE AND STATISTICS, MINOR IN MATHEMATICS
Course Work: **Data Structures and Analysis**, Databases, Software Design, Intro to Machine Learning, Software Tools and Systems Programming

Online Course Work:
- IMB DATA SCIENCE PROFESSIONAL CERTIFICATE – IMB, www.coursera.com
- BUILDING A FULLSTACK APP WITH ANGULAR 2+ AND SPRING BOOT – www.lynda.com
- HTML, CSS, AND JAVASCRIPT FOR WEB DEVELOPERS – John Hopkins University, www.coursera.com

PROJECTS

REELML – HTTPS://GITHUB.COM/TIAGOF99/REELML
- Led a team of **three** student developers and trained machine learning models with an **82%** accuracy using **Pandas**, **NumPy**, and **SciPy**, on an IMDB dataset. Classified movies based on multiple factors, leveraging algorithms like **KNN**
- Developed a **Flask** application, connecting it to the frontend using the **Fetch API**

ANGLEO (CONUHACKS) – HTTPS://GITHUB.COM/TIAGOF99/ANGLEO
- Developed a platform to aid Anglophones in Quebec using **Python**, **MongoDB** (**NoSQL**), **REST API**, **Express.js**, **Node.js**, and **Git**
- Leveraged **HTML/CSS** and **JavaScript** to engineer an online dashboard for government insight. Modelled and analyzed collected data, presenting it using **plot.ly** and **Google API's**. Hosted these services on **GCP**

LINKUP (RUHACKS) – HTTPS://GITHUB.COM/TIAGOF99/LINKUP
- **Led** a team in engineering an **android** platform to connect users through events using **Java**, **SQLite**, and **Google Maps API**
- Taught the team **Git**, increasing team efficiency by **100%**

AUTOBOT – HTTPS://GITHUB.COM/TIAGOF99/AUTOBOT
- Developed a contextualized chat bot, deployed on **AWS**, by employing the **Dialogflow API** and **Dask** through **Python** on a dataset of **2+ Million** rows, for Jeep.com. Projected user flow to improve by **25%**.

SKILLS

Languages: Python, Java, HTML/CSS, JavaScript, SQL, LaTeX
Frameworks: Bootstrap, Flask, Angular, Node.js, Express.js, Spring boot, Vue.js

Tools: Git, AWS, GCP, Tensorflow, JSON
Analytics: Pandas, Dask, NumPy, SciPy, seaborn