

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** and **seaborn**

SOFTWARE DEVELOPER - UNIVERSITY OF TORONTO PRE-PHARMACY CLUB

DEC. 2018 - PRESENT

- Designed and developed an online platform for **500+** students using **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 – WWW.GITHUB.COM/TIAGOF99/REELML

- Led a team of **3** student developers and trained machine learning models with an **82%** accuracy using **Pandas**, **NumPy**, and **SciPy**, on an IMDB dataset. Classified movies based on 13 key variables, leveraging algorithms like **KNN**
- Developed a **Flask** application, connecting it to the frontend using the **Fetch API**

ANGLEO (CONUHACKS) – WWW.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**. Hosted these services on **GCP**

LINKUP (RUHACKS) – WWW.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

- Engineered a contextualized chat bot, deployed on **AWS**, by employing **Dialogflow** and **Dask** on a dataset of **2+ Million** rows, for a major car brand website. 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

