TIAGO
FERREIRA

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SOFTWARE EXPERIENCE

SOFTWARE DEVELOPMENT ENGINEER INTERN - PUBLICIS SAPIENT   JUN. 2019 – AUG. 2019
- Increased product **revenue** by scraping competitor data to forecast product prices using **SQL**, time series algorithms (**ARIMA**), & open source **Python** libraries (**Statsmodels** & **NLTK**)
- Developed a language toggle and did front-end testing using **AngularJS** for $5 billion + banking client, in **agile** environment
- Exploited Natural Language Processing to Engineer a contextualized chat bot by leveraging **Dialogflow** & **Dask** on a dataset of 2+ Million rows. Developed for a major car brand website, projected time of user flow improvement of 25%

LEAD SOFTWARE DEVELOPER - UNIVERSITY OF TORONTO PRE-PHARMACY CLUB   DEC. 2018 - PRESENT
- Designed and developed an online platform for **500+** students using **Bootstrap** & **Vue.js**
- Optimized bounce rate by **40%**, by improving information architecture through regularly updating content
- Analyzed data on **Google Analytics** using inferential statistical techniques and reported 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:
- IBM DATA SCIENCE PROFESSIONAL CERTIFICATE – IBM, 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
- Classified movie genres on 13 variables, with 89% accuracy, using machine learning algorithms (**KNN**), **Pandas**, & **Scikit-learn**
- Utilized **Tensorflow** and **keras** to build a neural network to detect effect of movie titles on critic scores
- Built GUI for automated data processing using **Flask** & **Fetch API**

ANGLEO (CONUHACKS) – WWW.GITHUB.COM/TIAGOF99/ANGLEO
- Developed platform to aid Anglophones in Quebec using **NoSQL**, **REST API**, **Express.js**, **Node.js**, & **Git**
- Analysed collected data to engineer online dashboard for government insight using **HTML/CSS**, **JavaScript**, **plot.ly**, & **GCP**

LINKUP (RUHACKS) – WWW.GITHUB.COM/TIAGOF99/LINKUP
- Led team of 4 students in engineering an **android** platform to connect users through events using **Java**, **SQLite**, & **GCP**
- Taught the team **Git**, increasing team efficiency by **100%**

FIREBALL – WWW.GITHUB.COM/TIAGOF99/FIREBALL
- Developed a video game where users attempt to dodge certain objects to survive the longest using **Python** & **PyGame**
- Incorporated an AI computer with a brute-force algorithm and multiple difficulties

SKILLS

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

Tools: Git, GCP, Tensorflow, Adobe Cloud Debugger
Analysis: Pandas, Dask, NumPy, SciPy, seaborn, Keras