

TIAGO FERREIRA

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SOFTWARE EXPERIENCE

BACKEND DEVELOPER – IBM

MAY. 2020 (START)

- Will work on the open-source cloud development team to write and maintain scalable code using **Java** and **Go**

RESEARCH ASSISTANT – UNIVERSITY OF TORONTO

SEPT. 2019 – FEB. 2020 (EXPECTED)

- Use data mining on text sources of 22 GB +, increase script efficiency by managing **python** memory usage using **Lxml**
- Improve database accessibility by producing documentation and optimizing query code on Big Data using **Elasticsearch**

SOFTWARE DEVELOPMENT ENGINEER INTERN – PUBLICIS SAPIENT

JUN. 2019 – AUG. 2019

- Became familiar with code base in < 1 week, integrated a language toggle service with pre-existing components and did front-end testing on **AngularJS** & **Java Spring Boot** architecture for \$5 billion + banking client, in **agile** environment
- Increased product revenue by conducting time series forecasting on competitor product data using **MySQL** & **Python**
- Pitched a contextualized chat bot to client with 25% projected user flow time increase, developed using **Flask** & **React**

LEAD SOFTWARE DEVELOPER – UNIVERSITY OF TORONTO PRE-PHARMACY CLUB

DEC. 2018 – DEC. 2019

- Solely managed client expectations to develop online platform for 500+ students in 1-week time frame using **Bootstrap**
- Optimized bounce rate by **40%** by improving information architecture through A/B testing using Google Analytics

EDUCATION

HBSc. SPECIALIST IN COMPUTER SCIENCE – UNIVERSITY OF TORONTO, ST. GEORGE

EXPECTED APRIL. 2021

- Double Minor in Statistics & Mathematics, Major GPA: **3.83/4.0**
- Data Structures & Analysis, Algorithm Design, Databases, Software Design, Machine Learning, Systems Programming

PROJECTS

ANGLEO (CONUHACKS) – WWW.GITHUB.COM/TIAGOF99/ANGLEO

- Developed platform as part of a 4 person team to aid Anglophones in Quebec using **MongoDB**, **React-Native**, & **Git**
- Analysed collected data to engineer online dashboard for government insight using **Express.js**, **Node.js**, **plot.ly**, & **GCP**

PINIT – WWW.GITHUB.COM/TIAGOF99/PINIT

- Co-Developed a social networking platform so users can share their most notable moments in a fun and interactive way
- Engineered a scalable infrastructure to improve user acquisition using **Django**, **React**, **PostgreSQL**, **Docker**, & **Fetch API**

REELML – WWW.GITHUB.COM/TIAGOF99/REELML

- Predicted critic scores on movie titles using a neural network with 89% accuracy using **Tensorflow**, **Keras**, & **Pandas**
- Built GUI for automated data processing so users could visualize predictions, using **Flask** & **Fetch API**

LINKUP (RUHACKS) – WWW.GITHUB.COM/TIAGOF99/LINKUP

- Led 3 students in engineering an android platform to connect users through events using **Java** & **PostgreSQL**
- Taught team members Git in < 1 hour which lead to an 100% increase in efficiency and productivity

SKILLS

- **Languages:** Python, Java, HTML/CSS, JavaScript, SQL, C, R
- **Tools:** Git, GCP, Elasticsearch, Tensorflow, Docker, Linux/Unix
- **Frameworks/Libraries:** Bootstrap, Flask, Fetch, React, Django, AngularJS, Spring boot, Node.js, Express.js, Vue.js