

TIAGO FERREIRA

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SOFTWARE EXPERIENCE

RESEARCH ASSISTANT – UNIVERSITY OF TORONTO

SEPT. 2019 – PRESENT

- Optimized **Python** script efficiency by 75% in **Linux** environment by managing memory usage on 22+GB file parser
- Managed Information storage and refined database documentation using **Elasticsearch**

SOFTWARE DEVELOPMENT ENGINEER INTERN – PUBLICIS SAPIENT

JUN. 2019 – AUG. 2019

- Became familiar with code base in < 1 week, integrated a language toggle with pre-existing components and did front-end testing on **AngularJS** & **Java Spring Boot** architecture, in **Agile** environment
- Increased revenue by automating time series forecasting on competitor data using **MySQL** & **Python**

LEAD SOFTWARE DEVELOPER – UNIVERSITY OF TORONTO PRE-PHARMACY CLUB

DEC. 2018 – DEC. 2019

- Managed client expectations to develop an end-to-end online platform for 500+ students using **Bootstrap**
- Optimized bounce rate by 40% by improving information architecture through A/B testing using Google Analytics

EDUCATION

HBSC. COMPUTER SCIENCE SPECIALIST – UNIVERSITY OF TORONTO, ST. GEORGE

APRIL. 2022 (EXPECTED)

- Double Minor in Statistics & Mathematics; Major GPA: **3.87/4.0**
- Data Structures, Algorithm Design, Databases, Software Design, Machine Learning, Systems Programming

AWS CLOUD PRACTITIONER ESSENTIALS: AWS CORE SERVICES – AMAZON WEB SERVICES

SKILLS

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

PROJECTS

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

- Developed an Android/iOS platform for Anglophones in Quebec using **MongoDB**, **React-Native**, **Objective-C**, & **Git**
- Analysed data to engineer an 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 an interactive way
- Engineered a scalable infrastructure to improve user acquisition using **Django**, **React**, **PostgreSQL**, & **Docker**

REELML – WWW.GITHUB.COM/TIAGOF99/REELML

- Predicted critic scores on movie titles with 89% accuracy using a neural network through **Keras** & **Pandas**
- Developing a GUI for user interaction and automated data processing 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