TIAGO FERREIRA

Phone: 905-392-5943
Email: t.ferreira@mail.utoronto.ca
Website: www.tiagoferreira.ca
LinkedIn: www.linkedin.com/in/tiagof99
GitHub: www.github.com/TiagoF99

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
· 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   APRIL. 2022 (EXPECTED)
· 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 aquistion 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 **Tenserflow**, **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