

# TIAGO FERREIRA

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## SOFTWARE EXPERIENCE

### BACKEND DEVELOPER – IBM

MAY. 2020 – AUG. 2020

- Expect to work on the open-source cloud team to write scalable code using **Java, Go, & Kubernetes**

### RESEARCH ASSISTANT – UNIVERSITY OF TORONTO

SEPT. 2019 – PRESENT

- Optimized 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 & Python**

### 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**

### SOFTWARE DEVELOPER – UNIVERSITY OF TORONTO PRE-PHARMACY CLUB

DEC. 2018 – DEC. 2019

- Managed client expectations to design and develop an online platform for 500+ students using **Bootstrap**
- Optimized bounce rate by 40%; Improved information architecture through A/B testing on 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, AWS, Elasticsearch, TensorFlow, Docker, Linux/Unix, Micro Service Architecture, Jira
- **Frameworks:** Bootstrap, Flask, Fetch, React, Django, AngularJS, Spring boot, Node.js, Express.js

## PROJECTS

### ANGLEO (CONUHACKS) – [WWW.GITHUB.COM/TIAGOF99/ANGLEO](https://www.github.com/TIAGOF99/ANGLEO)

- Developed an Android/iOS platform for Anglophones using **MongoDB, React-Native, Objective-C, & Git**
- Analysed data to engineer an online dashboard for government insight using **Express.js, Node.js, Plotly, & GCP**

### PINIT – [WWW.GITHUB.COM/TIAGOF99/PINIT](https://www.github.com/TIAGOF99/PINIT)

- Developed a social networking platform on a scalable architecture using **Django, React, PostgreSQL, & Docker**

### REELML – [WWW.GITHUB.COM/TIAGOF99/REELML](https://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](https://www.github.com/TIAGOF99/LINKUP)

- Led 3 students in creating an android platform to connect users through events using **Java & PostgreSQL**