

TIAGO FERREIRA

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EDUCATION

HBSc. COMPUTER SCIENCE SPECIALIST – UNIVERSITY OF TORONTO, ST. GEORGE EXPECTED APRIL. 2022

• **Incoming Senior (4th year)**; Double Minor in Statistics & Mathematics; **Major GPA: 3.87/4.0**

• Data Structures, Algorithm Design, Databases, Software Design, Machine Learning I & II, Operating Systems

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

SKILLS

• **Languages:** Python, Java, HTML/CSS, JavaScript, SQL, C/C++, Bash, Julia, R

• **Tools/Frameworks:** Flask, React, Django, AngularJS, Git, TensorFlow, Kubernetes, Spring, AWS, Firebase, NodeJS

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**

GOOGLE HASH CODE 2020, GOOGLE CODE JAM 2020

FEB. 2020 – APRIL. 2020

• Applied Data Structures to solve Google engineering problems against professionals, placing In the top 60%

RESEARCH ASSISTANT – UNIVERSITY OF TORONTO

SEPT. 2019 – APRIL. 2020

• 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

PROJECTS

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**

MAGNIFY – [WWW.GITHUB.COM/TIAGOF99/MAGNIFY](https://www.github.com/Tiagof99/MAGNIFY)

• Created an image classification Android/iOS platform using **React-Native, FireBase, MobileNet, & Tensorflow**

TWITVER – [WWW.GITHUB.COM/TIAGOF99/TWITVER](https://www.github.com/Tiagof99/TWITVER)

• Constructed a Twitter based server along side a UI for user interaction using **C, React, Flask, & Fetch**

ANGLEO (CONUHACKS) – [WWW.GITHUB.COM/TIAGOF99/ANGLEO](https://www.github.com/Tiagof99/ANGLEO)

• Developed an Android platform for Anglophones in Quebec using **MongoDB, Java, Node.js (+ Express), & Git**

• Analysed data to engineer an online dashboard for government insight using **Bootstrap, Plotly, & GCP**