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| **Tiago**  **FerreirA** | Phone: 905-392-5943  Email: t.ferreira@mail.utoronto.ca  Website: [www.tiagoferreira.ca](http://www.tiagoferreira.ca)  LinkedIn: www.linkedin.com/in/tiagof99  GitHub: www.github.com/TiagoF99 |

**Software Experience**

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| **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**

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| **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**

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| **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 componentsand did **·** front-end testing on **AngularJS** & **Java Spring Boot** architecturefor $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**

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| **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**

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| **HBSc. Specialist in computer science – University of Toronto, St. George** | April. 2022 (expected) |

**·** Double Minor in Statistics & Mathematics, Major GPA: **3.87/4.0**

**·** Data Structures & Analysis, Algorithm Design, Databases, Software Design, Machine Learning, Systems Programming

**Projects**

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| **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**

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| **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**

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| **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**

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| **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**

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