

William Granados

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Employment

TripAdvisor, Full Stack Software Engineer, Travel Advertisements Team **Ottawa, ON**
Tech: Java, React, Apache Velocity, GraphQL, Hive, Tableau, Snowflake, PostgreSQL, CentOS Oct 2020 - Present

- Ported over site-wide ads to React while fixing and updating selenium tests to detect regressions. AB tested delayed ad-call prefetching to minimize page jumps and TTI impact on a BTF ad for 95% of users site-wide
- Improved sponsored campaign products by taking ownership of : building & maintaining ETL pipelines for metrics on live user traffic; and exposing data through microservices, React-based dashboards and tableau
- Independently planned and executed monthly roll-out of Travelers Choice campaigns. Coordinating redesign efforts, bug fixes, server maintenance, and assuring quality across related products / microservices / dbs

Royal Bank of Canada, Software Developer Intern, Devops Services Team **Toronto, ON**
Tech: Elastic Search, Jenkins, Groovy, Docker, Python, Bash, Openshift, UrbanCodeDeploy, OpenSSL, Aqua Summer 2019

- Proposed and led development for production server deployment pipeline for Beats and Logstash used in monitoring of jmx metrics and logs from Jira & Jenkins. Overall saved teams hours debugging failing servers
- Volunteered to maintain open source fork of Searx and mentor participants for an internal company innovation challenge. Searx was adopted by several teams to resolve search problems at RBC with chat bots

Rubikloud, Software Engineer Intern, Platform Engineering Team **Toronto, ON**
Tech: React, Redux, Jenkins, Selenium, Java, Scala, PostgreSQL, Jupyter, Spark, Docker Summer 2018

- Developed critical user-facing features (tables and notifications) requiring React/Redux and resolved several bugs before release. This provided users decreased initial load times speeds by 90% and beneficial feedback
- Wrote regression tests for ETL pipeline (data layer) using Luigi, Yarn UI, and SQL queries. Also refactored integration tests for application layer using Selenium+Jenkins, identifying several bugs before release

Personal Projects

Quadbot, Asynchronous Multiplatform Chat Bot **May 2019**
Tech: Python, Asyncio, Pytest, Searx, TravisCI, Coveralls, Docker

- Supported several communities with commands for a \LaTeX interpreter, curated search for sites like Steam, Arxiv, etc by designing bot to run on Discord, Slack, and Showdown. Thus engaging users in 10+ rooms

Education		Achievements
University of Toronto	2015-2020	<ul style="list-style-type: none">• Bronze Medallist, Canadian Computing Olympiad• Gold Division, USA Computing Olympiad• Honorable mention, East Central NA ICPC• Student Coach, ICPC team placing 21st of 130 teams• Organizer, algorithms contest UTSCode, 150+ users• Finalist, 2016 University of Michigan MHacks8
<i>Bachelors of Science, Computer Science and Statistics</i>		
<ul style="list-style-type: none">• Courses: OS, Systems, Software Design, HCI, AI, Functional Programming, Compiler Optimization, Security, Databases, Intro to Software Engineering		
<ul style="list-style-type: none">• TA: Intro to CS, Algorithm Design , Data Structures		

Technical Skills

Languages/Other: C, C++, Ruby, Scala, Spring, Haskell, \LaTeX , HTML, CSS, XML, LLVM, Vim, MongoDB, Neo4j
Open Source Contributions: PokemonShowdown, Matplotlib, Pandas,