

William Granados

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Employment

TripAdvisor, Full Stack Software Engineer, Travel Product Group

Ottawa, ON

Tech: Java, React, Typescript, GraphQL, Hive, Tableau, Snowflake, Google Ads

Oct 2020 - Present

- Fixed regressions on advertisement behaviours, integrated new ad vendors (increased profit), and AB tested new features for ads site wide that caused page jumps for users while minimizing TTI impact
- Exposed metrics for clicks/impressions through a microservice, and used this data create an enhanced analytics dashboard including filters, time series graphs , bar charts and csv download .
- Managed support work for yearly roll-out of new Travelers Choice 2021 campaigns, along with fixing airline data including links, logos, and associated pictures

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,