

# William Granados

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**LinkedIn** linkedin.com/in/wlgranados • **Portfolio** wgma.ca • **Github** github.com/wlgranados

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## Employment

**TripAdvisor**, Full Stack Software Engineer, Travel Advertisements Team

**Ottawa, ON**

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

*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
- Took ownership for sponsorship services: building ETL pipelines and exposing campaign metrics on live user traffic through an online dashboard and tableau. Greatly improving campaign transparency for sponsors
- Managed support work or monthly roll-out of new Travelers Choice campaigns, and redesigned landing and listing pages. Other support work: fixing airline data 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

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

## Technical Skills

**Languages/Other:** C, C++, Ruby, Scala, Spring, Haskell,  $\LaTeX$ , HTML, CSS, XML, LLVM, Vim, MongoDB, Neo4j

**Open Source Contributions:** PokemonShowdown, Matplotlib, Pandas,