William Granados

Location Toronto, Canada • Phone +1(647) 741-8751 • Email me@wgma.ca
LinkedIn linkedin.com/in/wlgranados • Portfolio wgma.ca • Github github.com/wlgranados

---

Employment

TripAdvisor, Full Stack Software Engineer, Travel Product Group — **Ottawa, ON**
Tech: Java, Spring, React, Typescript, GraphQL, Hive, Snowflake, Google Ads — *Oct 2020 - Present*

– Made several contributions to advertisements involving: updating impression tracking, fixing regressions on ad behaviours, and integrating new ad vendors resulting in projected increase in revenue and UI usability

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
– Automated various tasks for audit and management purposes like deletion of unused permission groups, and deletion of backups from IBM TSM for Github, saving the company time and money
– 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

PlanIt, Travel Planning Website — *December 2019*
Tech: Java, Spring, HTML, CSS, Thymeleaf, MySQL, MongoDB, Docker, Jira

– Negotiated features with product owners, designed user stories and planned out sprint backlog over 2 month time frame. Winner of innovation award for best presentation, technology, and usability over 10+ other teams
– Implemented the REST API for users session handler and reviews system using Java spring and databases

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

– Supported several communities with commands for a LaTeX interpretor, 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	• Bronze Medallist, Canadian Computing Olympiad
Bachelors of Science, Computer Science and Statistics	• Gold Division, USA Computing Olympiad
• Courses: OS, Systems, Software Design, HCI, AI, Functional Programming, Compiler Optimization, Security, Databases, Intro to Software Engineering	• Honorable mention, East Central NA ICPC • Student Coach, ICPC team placing 21st of 130 teams
• TA: Intro to CS, Algorithm Design , Data Structures	• Organizer, algorithms contest **UTSCode**, 150+ users • Finalist, 2016 University of Michigan MHacks8

Technical Skills

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