# 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

---

| Education | Extracurricular |
|---|---|

**University of Toronto**        **Expected: August 2020**
*Candidate Honours BSc, Computer Science and Statistics*

- Courses: OS, Systems, Software Design, HCI, AI, Functional Programming, Compiler Optimization, Security, Engineering Large Systems, Regression
- TA: Intro to CS, Algorithm Design, Data Structures

- 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

---

## Employment

**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, deletion of backups from IBM TSM for Github, saving the company approximately $3000 monthly
- 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
- Automated functional test suite with 80% test coverage on Travis CI, and created dockerized application allowing for simple deployment and horizontal scaling across multiple platforms

**LetMeKnow**, News Aggregating Website        *November 2017*
*Tech: Python, Django, Angular, Javascript, PostgreSQL, Nginx, AWS*

- Developed core news insights features using Django for RESTful API management and PostgreSQL for database queries. Managed hosting/uptime for website with load balancing through Nginx on an AWS EC2 server

---

## Technical Skills

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