

# RUSSELL BORJA

Full-Stack Software Engineer, University of Waterloo

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## SKILLS SUMMARY

- Full-stack developer with 3+ years of professional experience
- 2 years data engineering experience building robust, scalable data pipelines
- Proficient in Node.js/Express, React, and Python/Flask
- Outstanding problem solver; quick to absorb new technical concepts
- Clear and effective verbal and written communication skills

## TECHNICAL SKILLS

<b>Front-End</b>	HTML5, JavaScript (ES6), CSS3, Sass, React
<b>Back-End</b>	Python, Flask, Node.js, Express, C#
<b>Data Engineering</b>	SQL, Airflow, Apache Spark, Databricks, Vertica
<b>Platforms</b>	AWS, Docker, MacOS, Linux
<b>Development</b>	Visual Studio, VSCode, PyCharm, Git

## EDUCATION

### Bachelor of Applied Science in Electrical Engineering

University of Waterloo, Canada. Sept. 2011 - Apr. 2016

- Relevant Courses: Computer Architecture, Computational Intelligence and Neural Networks, Algorithms and Data Structures, Analog Control Systems
- Cumulative GPA of 89.1 (out of 100)

Online Courses

- Coursera: Machine Learning (Stanford University) - April 2019

## WORK EXPERIENCE

### Software Engineer II Zynga

Toronto, ON, Canada  
Dec. 2017 - Present

- Member of Marketing Analytics team, responsible for processing data to **optimize \$250 million user acquisition budget** and empower global marketing decisions
- Built and maintained data pipelines using Airflow, Python, Apache Spark and Spark SQL that **process 400 GB of user data per day**
- Migrated legacy pipelines from Pentaho Data Integration to open-sourced Airflow, leveraging Spark to **reduce overall runtime by 50%**
- Ensured GDPR-compliance across the entire system by developing a mechanism enabling users to delete personable identifiable information at will
- Worked closely with iOS and Android game teams on integrating mobile SDK's to ensure data integrity

**Software Engineer**  
**Skyscanner**

**Edinburgh, Scotland, UK**  
**Sept. 2016 - Dec. 2017**

- Valuable member of Web Infrastructure squad that was responsible for re-architecting the Skyscanner platform from a monolithic codebase to a more decentralized approach using OpenTable's Open Components technology
- Composed re-usable front-end JavaScript libraries with ES6 that was **consumed by more than 150 developers** around the organization
- Participated in 24/7 on-call rotation for Skyscanner's most critical services, diagnosing critical incidents and mitigating service outages
- Responsible for the **redesigned visuals on the website's header and footer**, ensuring that they maintain a consistent, responsive design across all browsers and platforms (HTML5, Sass, React)
- Former full-stack engineer on the Car Hire platform (Python/Flask) that experienced greater than 50% year-on-year revenue growth

**Software Developer - Intern**  
**match.com**

**Dallas, TX, USA**  
**Sept. 2015 - Dec. 2015**

- Implemented key features on SpeedDate.com such as a photo film strip that allows users to instantly select user profiles, using Ember.js and HTML5/JavaScript/CSS/SASS stack
- Developed the backend for iOS application **Chance**, matching users that have physically crossed paths and initiates conversation if certain compatibility criteria are met. Built with Azure/SQLServer/Flask/Python backend while integrating match.com's user framework for the iOS platform
- Immersed in the Emerging Brands team, providing bug fixes and incremental additions to match.com's lineup of prototypical products

**PROJECTS**

**AutoTrip Itinerary Planner (2016)**  
**autotrip.herokuapp.com**

- AutoTrip is a web application that generates a custom trip itinerary for users given their location, budget, preferences, and length of travel. It leverages multiple API's including Yelp, FourSquare, Google Maps, and TripAdvisor and a heuristic optimization algorithm (Particle Swarm Optimization) in order to generate the best itineraries possible. Developed in a team of five (4th year design project).  
Technologies used: Angular, Django, Postgres, Heroku, HTML/JavaScript/CSS, SASS, Python.