

# YULIANA HAVRYSHCHUK

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## TECHNICAL SKILLS

Python, Node.js, Ruby on Rails, AngularJS, Java, MySQL, Objective-C, C++, Airflow, Spark, Git

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## University of Waterloo EDUCATION

Bachelor of Mathematics, Computer Science and Statistics Double Major  
2013 - 2019

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## WORK EXPERIENCE

### BuildZoom Software Engineering Intern - Full Stack

- San Francisco, CA  
May - Aug 2018
- Designed and implemented new user programs and features using Rails and Angular
  - Sped up page loads up to 500% by optimizing queries using database indices and eager loading
  - Created an automatic log processing system (log aggregation, parsing, ingestion)
  - Developed infrastructure for a data-exchange partnership with a third party using Rails and Airflow
  - Implemented a RESTful API in Rails to support BuildZoom's data sharing platform

### Apple Software Engineering Intern - iOS

- Vancouver, BC  
Sept - Dec 2016  
May - Aug 2017
- Worked on Apple's productivity apps (iWork), for iOS and macOS using Objective-C
  - Wrote a bash script to speed up project build times by 19% for over 170 iWork employees
  - Introduced accessibility features such as dynamic text sizing throughout the apps
  - Created dynamic rendering of font styles to improve page performance and reduce app size
  - Implemented a Pages document statistics view using Swift

### XE.com Software Engineering Intern - Full Stack

- Toronto, ON  
May - Aug 2016
- Created an application that generates hourly currency charts, hosts the graphics, and displays them on the front page of XE.com which gets 50M monthly visits (Java and AWS technologies)
  - Developed an app for the Amazon Echo in Node.js that uses the XE API to answer voice-activated currency exchange questions and is integrated with the company mobile apps
  - Wrote a regression testing program that verifies output of a new application against the older build
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## PROJECTS

**Image Classification** to detect distracted driving with support vector machines using Python

**Natural Language Processing** to detect helpful Amazon reviews using Spark and a MultinomialNB classifier written in Python

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## VOLUNTEERING EXPERIENCE

### Hack the North Platform Developer

- Feb 2017 - Oct 2017
- Worked on the Hack the North API to process 7500 student applications, sponsors, and mentors
  - Wrote an application in Python allowing the team to send staggered batches of important emails to various domains, bypassing server greylisting measures
  - Implemented a push notification system for our mobile apps, to be used by all event attendees

### Hack the North Sponsorship Co-ordinator

- Mar 2016 - Feb 2017
- Established financial and strategic partnerships with sponsors to ensure success of the event
  - Organized the hackathon workshops and events to provide a good experience for attendees