

# Bill Zheng

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## EDUCATION

### University of Waterloo

BACHELOR'S IN COMPUTER SCIENCE

- 3.8/4.0 cumulative and major GPA, will graduate April 2021

Waterloo, Canada

Sep. 2016 - Apr. 2021

## EXPERIENCE

### Citadel

MARKET MAKING, SOFTWARE ENGINEERING INTERN

New York City

Jan. 2020 - Apr. 2020

- Designed and built a feature-rich tool in C++ and Python that replayed production scenarios for latency analysis, optimized for 1 million+ orders a second
- Coordinated with compliance teams to implement script that examined COVID-19 restrictions on 1,000+ internal systems, with violations stored in SQL for investigation
- Developed backend service that detected latency spikes and generated a report viewed by entire organization

### Facebook

ANDROID INFRASTRUCTURE, SOFTWARE ENGINEERING INTERN

New York City

May. 2019 - Jul. 2019

- Reduced Android app start-up time by 200ms via creating and A/B testing an experiment to preload only 1 story per friend using Java, Kotlin and React
- Communicated with data science teams to establish large scale logging changes on 100+ endpoints and wrote automated deployment rules to verify correctness
- Fixed 100,000+ daily crashes through refactoring dependencies in essential libraries and components

### Google

PLAY STORE, SOFTWARE ENGINEERING INTERN

Mountain View

Jan. 2018 - Apr. 2018

- Led the redesign of the "Read More" page to improve UX and information availability for 2 billion+ users
- Revamped app photo viewer by adding navigation gestures such as an animated pull-to-dismiss gesture
- Utilized Go, Java and database frameworks to propagate and display the release date for 6 million+ apps

### Wish

ANDROID PRODUCT, SOFTWARE ENGINEERING INTERN

San Francisco

May. 2017 - Aug. 2017

- Increased revenue by \$10 Million+ through adding an interactive view to display related products
- Developed a timed sales API and front end deployed for a promotion that increased items sold by 40%
- Doubled referral usage by researching and experimenting with notification placement throughout the app

## SKILLS

- Languages: Java, C++, Python, Go, Kotlin, JavaScript, HTML/CSS, C#, Scala
- Frameworks/Tools: Android, SQL, MongoDB, Unix, Node.js, React/Redux, Git, Mercurial, Kubernetes

## PROJECTS

### Overstats

- Self-improvement Android app with 100,000+ downloads, 4.6 star rating and 4000+ reviews, released on the Google Play Store (<https://goo.gl/cnRBUr>)
- Built the Android frontend and a custom web scraper to provide users with data insights and statistics tracking

## AWARDS

### Hackerrank

- Achieved 99.5th percentile out of 170,000+ users on algorithms and data structures competitions

### Canadian Computing Olympiad

- Placed 13th out of 3,000 contestants in national Olympiad, was used to select the Canadian IOI team