

# Curtis Kroetsch

cckroets@uwaterloo.ca  
4A Computer Science

[github.com/cckroets](https://github.com/cckroets)  
[linkd.in/1yeGzGo](https://linkd.in/1yeGzGo)

## SKILLS

Favourite languages: Java, C++, Scheme, SQL  
Code Quality tools: Checkstyle, Jacoco, Lint  
Build tools: Gradle, Maven, Git

## EDUCATION

Candidate for Bachelors of **Computer Science** Winter 2016  
University of Waterloo, ON

## INTERNSHIPS

**Software Engineering - Android** Fall 2014  
LinkedIn, Mountain View, CA

- Brought a new Android app from infancy to company-wide launch in four months.
- Implemented a majority of the core features including single sign-on, push notifications, and Material Design UI components.

**Software Engineering - Hadoop MapReduce** Winter 2014  
LinkedIn, Mountain View, CA

- Implemented a relevancy optimization for sending publications to members
- Developed a unified framework for producing and distributing publications using Java and Hadoop MapReduce

**Software Engineering - Query Processing** Spring 2013  
SAP, Waterloo, ON

- Researched, designed and implemented a new data statistics model used for query optimization in C++
- Presented findings at SIGMOD 2014 in Salt Lake City, Utah.

## PROJECTS AND COMPETITIONS

**UW Info Sessions - Android App (Play Store Link)**

- Co-developed an app that mashes Company Info Sessions with their details from Crunchbase
- Features include reminders, add-to-calendar, favorites, sharing, and more.
- Follows Google's Material Design while supporting HoneyComb to Lollipop

**Swear Jar, CalHacks Submission (36 hours)**

- Developed an Android app that tracks swear words sent via SMS
- Features Facebook integration for sign-in and Paypal integration for donating money to charities
- Won the award for **Best use of the Paypal API**

**ACM SIGMOD 2014 Publication**

- Title: *Multi-dimensional Data Statistics for In-Memory Databases*
- Published in SIGMOD '14 Proceedings of the 2014 ACM SIGMOD international conference on Management of data

**Other Projects**

- Fundamentals, a submission for the Money 20/20 Hackathon (Android)
- CHIP-8, a video game console emulator for Android and Java Swing
- Tweeting university parking lot information (Python)