

Curtis Kroetsch

cckroets@uwaterloo.ca
4A Computer Science
ID: 20410933

github.com/cckroets
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 many more confidential features.

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
- Worked individually to start and finish the project in 4 months in an Agile environment

Instructional Support Assistant Fall 2012, Winter 2013
University of Waterloo, ON

- Generated correctness tests for student-submitted programs
- Designed and implemented an auto-marking framework.
- Led a weekly computer science tutorial for first year students

PROJECTS

AND

COMPETITIONS

Swear Jar, CalHacks Submission (36 hours) Fall 2014

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

ACM SIGMOD 2014 Publication Spring 2014

- 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)