

# Albert Kragl

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Mobile: +1 (778) 918-4962

## EDUCATION

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- **McGill University** Montreal, QC  
*B.S.E. in Software Engineering; CGPA: 3.84* *Sept. 2016 – Dec. 2020 [Expected]*

## EXPERIENCE

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- **Index Exchange** Montreal, QC  
*Software Engineer Intern* *May 2018 - Aug. 2018*
  - **Stream Processing Framework:** Created a streaming pipeline that abstracts consuming from Kafka and inserting into a time-series database, giving the user a simple API which can be used to configure custom data processing functionality. The framework will be used as a powerful telemetry tool to allow for more efficient debugging and feature implementation.
  - **Scalability:** Implemented a multi-threaded design to improve the scalability of the framework and increase the amount of data that can be processed at a time by over 50 percent.
  - **Docker:** Created a containerized development environment to allow for quick deployment and testing.
  - **Agile:** Participated in scrum, code reviews and demos in an Agile setting.
- **Netzwerk Music Group** Vancouver, BC  
*Data Analysis Intern* *Summer 2016, 2017*
  - **Music Streaming Analytics:** Worked with Spotify and Apple Music data for various artists while also helping to expand the company's streaming analytics department.
  - **Weekly Charting Reports:** Compiled various data sets, including artist radio and chart performance, for weekly company-wide reports.

## PROJECTS

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- **Hack IX '18:** Won 1st place with an app that used machine learning to analyze and offer feedback on a user's speech patterns, with the main use case being a public speaking/presentation coaching tool.
- **Profound Sound (iOS App):** Created to help amateur guitarists configure their guitar recording setup. Was available on the App Store from 2014 to 2016.
- **Get Jüge (iOS App):** Created to help users track progress for each exercise in their workout.
- **McGillUltimate.ca:** Part of the development team working on the website for McGill's Ultimate Frisbee team.

## SKILLS

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- **Programming:** Java, Go, Python, C, SQL, Git, Bash, HTML/CSS
- **Technologies/Libraries:** Apache Kafka, Docker, InfluxDB
- **IDEs:** Eclipse, Visual Studio Code, XCode

## EXTRACURRICULARS AND AWARDS

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- **YouTube/Music:** Created a YouTube channel with over 20,000 subscribers and 5 million views. Features original music and cover songs, with original songs available on all major streaming platforms.
- **Ultimate Frisbee:** Varsity athlete and captain on the McGill Ultimate Team. Played on the BC provincial team for two years and won a silver medal at club nationals.
- **Excellence in Written Communication Award:** Awarded best research paper out of 259 students in CCOM 206 (Communication in Engineering) for Winter and Summer 2017 at McGill.
- **Schulich Leader Scholarship:** Given to 50 students in Canada going into engineering and science studies every year.

## COURSEWORK

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- **ECSE 223:** Model-based Programming [Completed].
- **COMP 250:** Introduction to Computer Science [Completed].
- **COMP 251:** Algorithms and Data Structures [Expected].

## LINKS

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- **LinkedIn:** [linkedin.com/in/albertkragl](https://www.linkedin.com/in/albertkragl)
- **Github:** [github.com/kraglalbert](https://github.com/kraglalbert)
- **YouTube:** [youtube.com/user/TheFenderrock](https://www.youtube.com/user/TheFenderrock)