Albert Kragl

https://kraglalbert.github.io

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EDUCATION

- **McGill University** — Montreal, QC
  B.S.E. in Software Engineering; CGPA: 3.77 — *Sept. 2016 – Apr. 2021 [Expected]*

EXPERIENCE

- **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.

- **Nettwerk 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

- **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

- **Programming**: Java, Go, Python, C, JavaScript, OCaml, Git, Bash, HTML/CSS
- **Technologies/Libraries**: Apache Kafka, Docker, Heroku, TravisCI, Gradle, PostgreSQL, InfluxDB, Vue.js

EXTRACURRICULARS AND AWARDS

- **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.
- **Intel Andy Grove Scholarship**: Awarded on the basis of academic record, demonstrated leadership and participation in school and community activities, honors, and work experience.
- **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.

LINKS

- **LinkedIn**: linkedin.com/in/albertkragl
- **GitHub**: github.com/kraglalbert
- **YouTube**: youtube.com/user/TheFenderrocker