




Albert Kragl

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EDUCATION

- **McGill University** Montreal, QC
B.S.E. in Software Engineering; CGPA: 3.80/4.00 *Sept. 2016 - Apr. 2021 [Expected]*

EXPERIENCE

- **McGill University** Montreal, QC
Teaching Assistant *Sept. 2019 - Dec. 2019*
 - **Project Mentor:** Held weekly office hours and answered discussion board questions for ECSE 321 - Intro. to Software Engineering.
- **Facebook** Menlo Park, CA
Software Engineer Intern *May 2019 - Aug. 2019*
 - **Zero Rating Infra:** Worked with the Zero Rating Infra team to drive core product growth in developing countries, accounting for over a third of total company growth.
 - **Mobile Carriers:** Updated carrier configuration storage to improve performance and reliability, and securely store passwords and encrypted data. Rolled changes out to production and reduced CPU usage by 40 percent.
- **Index Exchange** Montreal, QC
Software Engineer Intern *May 2018 - Aug. 2018*
 - **Stream Processing Framework:** Created a data 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.
 - **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.
- **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.

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:** Python, JavaScript, Java, C, Go, OCaml, Bash
- **Technologies/Libraries:** Apache Kafka, Docker, Heroku, TravisCI, Maven, PostgreSQL, Flask, React, Vue.js, Git

EXTRACURRICULARS AND AWARDS

- **Hack4Impact McGill:** President and co-founder of the Hack4Impact chapter at McGill University, which builds software for non-profit organizations to help drive positive social impact.
- **YouTube/Music:** Created a YouTube channel with over 20,000 subscribers and 6 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.