




Albert Kragl

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EDUCATION

- **McGill University** Montreal, QC
B.S.E. in Software Engineering; CGPA: 3.84/4.00 *Sept. 2016 - Apr. 2021 [Expected]*

EXPERIENCE

- **McGill University** Montreal, QC
Teaching Assistant *Sept. 2019 - Apr. 2019*
 - **Mentor and Grader:** Held weekly office hours, answered discussion board questions and graded the midterm 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.
- **CodeJam 2019:** Won 2nd place overall with a machine learning web app that allows users to streamline home insurance claims by uploading photos of items in their home and getting an estimate for the value of each item in the photo.
- **Profound Sound (iOS App):** Created to help amateur guitarists configure their guitar recording setup. Was available on the App Store from 2014 to 2016.

SKILLS

- **Programming:** Python, Java, JavaScript, C, Go, OCaml, SQL, Bash
- **Technologies:** Flask, Vue.js, Docker, Heroku, Maven, Spring, PostgreSQL, React, Apache Kafka, TravisCI, 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 25,000 subscribers and 6.5 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.