

Bennett Summy

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EDUCATION

McGill University

Montreal, Quebec - Canada

B.A. in Software Engineering - Minor in Political Science

Expected Graduation: May 2025

- Relevant Coursework: Databases, Software Design, Computer Systems (Bash, Linux, C), Operating Systems, Discrete Math, Advanced Linear Algebra, Calculus I & II

LANGUAGES & TOOLS

Languages: Python, SQL, JavaScript, C, Java

Tools: Snowflake, React, MongoDB, GraphQL, Prefect, Dbt, Jinja, Azure, AWS, Node.js, Git, Bash

WORK & LEADERSHIP EXPERIENCE

Chicago Blackhawks, National Hockey League

Chicago, Illinois

Intern, Hockey Systems Engineer - Hockey Strategy & Analytics

January 2023 – August 2023

- Extended internship allowed for an integral role in a team with rapidly evolving systems. Leveraged engineering best practices to build out Madhouse: a hockey analytics database & software.
- Project Experience:
 - *Madhouse* - Built custom front-end features using Javascript, React, MongoDB, and GraphQL to enhance user experience for hockey leadership, including rolling average game logs, displaying advanced team statistics, and a suite of internal tooling for Madhouse admin.
 - *SMT Player & Puck Tracking Data* - Wrote an advanced data pipeline to ELT high volumes of tracking data, through block loading and implementing speed, memory, and CPU optimizations. Enabled continuous remote loading on an AWS EC2 instance.
 - *Integrity Check System* - Heavily expanded test coverage in the Hockey Operations database. Owned data quality efforts, resolving any and all data issues as they arose; doubled integrity check coverage by adding 75 new SQL tests, and resolved millions of rows of duplicate, missing, or incorrect data.

Chicago Blackhawks, National Hockey League

Chicago, Illinois

Data Engineering Intern - Business Strategy & Analytics

June 2022 – August 2022

- Utilized Snowflake, Prefect, Jinja, and dbt to create automated data pipelines from external data sources for business analytics and to improve the fan experience.
- Migrated retail transaction data from Retail Cloud external AWS cloud storage to Azure & Snowflake. Pioneered mapping technique for Prefect flow generalization to access multiple API endpoints across site logins and used it to write a LeagueApps API connector.

USA Hockey

Chicago, Illinois

Ice Hockey Official - IHOA

October 2017 – Present

- Certified at the highest level to officiate all ages and skill levels. Dealt with high pressure situations in a calm manner with accurate rule application across ~520 career games.
- One of 18 officials selected for the 2021 National Officiating Development Program in Buffalo, NY.
- Awarded 2021 Illinois Hockey Officials Association Scholarship.
- Served as Statistician & Off-Ice Official for McGill University Varsity Hockey.

PERSONAL PROJECTS

pierreanalytics.com

- PierreAnalytics is an open source website to present advanced hockey analytics in a clean and colorful way. Undertaken to supplement coursework with full-stack development experience.
- Added new NHL team pages, improved the mobile experience, redesigned standings components, and implemented a number of performance enhancements.