

# Bennett Summy

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## EDUCATION

### McGill University

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

Montreal, Canada

Expected Graduation: May 2025

## WORK EXPERIENCE

### Boston Red Sox, Major League Baseball

Boston, Massachusetts

Intern, Baseball Systems Developer - Baseball Research & Development

June 2024 – August 2024

- Developed an automated chart of analytically driven defensive positioning reports to be easily printed by staff and used by players in-game. Improved on-field outcomes at the MLB & AAA levels.
- Overhauled navigation component to allow seamless access to team statistics across major and minor league levels. Implemented this feature while reducing clicks to access proprietary analytics.
- Generalized an existing amateur player headshot tool, expanding its reach to all MLB, MiLB, and international players. Used during the 2024 MLB draft meetings to enrich draft-prospect profiles.

### Chicago Blackhawks, National Hockey League

Chicago, Illinois

Intern, Hockey Systems Engineer - Hockey Strategy & Analytics

January 2023 – August 2023

- Wrote an advanced data pipeline to ETL high volumes of SMT player & puck tracking data. Corralled this massive dataset through block loading and implementing speed, memory, and CPU optimizations. Enabled continuous remote loading on an AWS EC2 instance.
- Doubled data integrity check coverage of the hockey database by adding 75 new SQL checks. Owned data quality efforts, resolved any and all data issues in real time by investigating and patching code.
- Built custom front-end features to improve outcomes for hockey leadership. Frontend projects included surfacing advanced team WAR statistics, charting player performance game-by-game for easy visualization, and a suite of internal tooling for data integrity checks.

### 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 to improve the fan experience through analytical insights and dashboarding.
- 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.

## PERSONAL PROJECTS

### pierreanalytics.com

February 2024 – Present

- PierreAnalytics presents advanced hockey analytics in a clean and colorful way. The site averages 150 weekly active users during the NHL season, peaking at ~350 weekly active users.
- Redesigned shot charts and improved player page layout. Implemented reactive resizing of components for mobile UX. Added NHL team pages and support for team and goalie leaderboards.

### homer-st.com

May 2024 – Present

- Custom-engineered personal blog created as an alternative to posting on social media. Undertaken to improve front-end experience while learning Flutter. Blog posts include various musings on topics including: travels, books, software, cooking, music, and many other personal interests.

## LANGUAGES & TOOLS

Languages: Python, SQL, JavaScript, C, Java

Tools: Snowflake, React, Angular, Flutter, Prefect, Jinja, Dbt, GraphQL, Git, Bash