

# Avery Doiron

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## SUMMARY

Computer Science student and aspiring hockey data analyst, experienced in Python, data modeling, and sports data visualization. Passionate about applying technical skills to hockey-focused insights through real-world work, personal projects, and writing hockey analytics focused blog posts.

## EDUCATION

### St. Francis Xavier University

BSc (Honours) in Computer Science, Minor in Mathematics

GPA: 3.9/4.0 | Dean's List

Antigonish, NS

Expected Apr. 2027

**Relevant Coursework:** Data Science, Database Management Systems, Data Structures and Algorithms, Algorithm Design and Analysis, Evolutionary Computation, Computer Architecture, Statistics for Sciences, Calculus I & II, Discrete Mathematics, Linear Algebra

**In Progress:** Sports Analytics, Statistical Methods, Artificial Intelligence, Natural Language Processing

## EXPERIENCE

### SEASI

Remote

#### Junior Technical Analyst

May. 2024 – Jun. 2024 & May. 2025 – Aug. 2025

- Supported development of the backend of SEASI's website and its AI chatbot, contributing to system architecture discussions and implementation planning.
- Earned the AZ-900 certification and assisted in designing and implementing the website's backend database infrastructure using Microsoft Azure.
- Supported SEASI's Microsoft Dynamics CRM by adding and configuring 100+ profiles, creating dashboards, troubleshooting issues, and training team members on system use.
- Tailored 50+ consultant resumes, incorporating project-specific details to meet federal contract requirements, directly contributing to multiple successful contract awards.
- Supported testing, documentation, and rollout of cloud-based IT tools while documenting stakeholder requirements to inform project decisions.

## PROJECTS

### NHL Player Analytical Card Generation

Jan. 2025 – Present

- Engineered a data pipeline to scrape and process NHL player statistics using BeautifulSoup and Pandas, enabling structured storage and analysis.
- Designed and implemented an analytics model with NumPy and Scikit-learn to evaluate player attributes, apply weighted scoring, and generate multi-season normalized rankings.
- Automated production of 13,000+ player cards across 17 seasons, with elements from Matplotlib and PIL, delivering visually branded cards with percentile bars, trend graphs, and player rankings for professional presentation

## TECHNICAL SKILLS

**Languages:** Python, R, SQL, Java, HTML, CSS, JavaScript

**Libraries/Frameworks:** Pandas, NumPy, Scikit-learn, Matplotlib, Plotly

**Tools:** Git/GitHub, Visual Studio Code, PyCharm, RStudio, Jupyter Notebook, Microsoft Office