

# 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

Sports Analytics, Data Science, Database Management Systems, Data Structures and Algorithms, Algorithm Design and Analysis, Artificial Intelligence, Natural Language Processing, Evolutionary Computation, Computer Architecture, Statistics for Sciences, Statistical Methods, Calculus I, Calculus II, Discrete Mathematics, & Linear Algebra,

## EXPERIENCE

### SEASI

#### Junior Technical Analyst

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

Remote

- Contributed to backend system design and implementation for SEASI's website and AI chatbot, collaborating on architecture decisions and database structure planning.
- Earned the AZ-900 certification and assisted in designing and implementing the website's backend database infrastructure using Microsoft Azure.
- Managed and optimized Microsoft Dynamics CRM data for 100+ consultant profiles, built dashboards, and improved internal reporting workflows.
- Customized 50+ consultant proposals aligned with federal RFP requirements, 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

- Built an automated data pipeline to scrape, clean, and structure multi-season NHL player data using BeautifulSoup and Pandas.
- Developed a weighted player evaluation model using NumPy and Scikit-learn to quantify offensive and defensive performance, normalize multi-season data, and generate comparative 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.
- Published findings and visualizations on analyticswithavery.com to communicate insights to a hockey-focused audience.

## 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