Avery Doiron

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EDUCATION

ST. FRANCIS XAVIER UNIVERSITY   Antigonish, NS
Bachelor of Science (Honours) in Computer Science   Expected April 2027
Minor in Mathematics   GPA: 3.9/4.0

RELEVANT COURSEWORK
Computer Science: Introduction to Programming, Programming and Data Structures, Advanced Data Structures, Computer Organization, Database Management Systems

Mathematics/Statistics: Calculus I, Calculus II, Discrete Structures, Linear Algebra, Intro to Statistics for Sciences

EXPERIENCE

SEASI   Remote
Junior Technical Analyst   May 2024 – June 2024 & May 2025 – Present
- Currently supporting backend development of SEASI's new AI-enhanced website, contributing to system architecture and implementation planning.
- Analyzed business workflows to identify inefficiencies, implementing data-driven process optimizations that improved operational performance.
- Gathered and documented technical and business requirements through stakeholder interviews, delivering actionable recommendations to internal teams and clients.
- Built and standardized baseline resume templates and organized digital file structures, improving data accessibility and reducing onboarding time.
- Provided technical support for SEASI's custom CRM system, including troubleshooting, configuration, and user training.
- Participated in system testing, documentation, and rollout of IT process improvements and cloud-based tools.

PROJECTS

NHL Player Attribute Rankings Model and Visual Card Generation   January 2025 – Present
- Automated data processing and visualization, enabling efficient extraction, transformation, and presentation of player statistics for advanced analysis in a way that casual fans easily understand.
- Developed code using **Python** and **Pandas** to collect and process NHL player statistics, automating retrieval from online sources.
- Built an analytics model, using **NumPy**, to rank different attributes of NHL players based on performance and stats, calculating percentiles and tracking multi-season trends.
- Designed and generated visually appealing player cards using **Matplotlib** and **PIL**, displaying player information and attribute rankings through percentile bars and trend graphs while integrating team colors, logos, and branding for a professional look.

TECHNICAL SKILLS

Languages: Python, R, SQL, Java, C++, HTML, CSS, JavaScript

Libraries and Frameworks: pandas, NumPy, matplotlib, PIL, Flask

Developer Tools: GitHub/Git, Visual Studio Code, PyCharm, RStudio IntelliJ, Microsoft Office Apps