

Nicholas LaMonica

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Portfolio: [Alstats3.github.io](https://alstats3.github.io)

PROFILE

- 3 years of experience in data generation and analysis.
- Skilled in data analytics, communication, and writing.
- Knowledge of pure and applied mathematics, data and computer science.
- Proficient in coding, intuitive problem solving, and multi-tasking.

EDUCATION

Bachelors – Mathematics and Statistics

August 2019 – May 2024

Concordia University, Montreal QC

- Grade Point Average: 3.69/4
- Courses in: Sports Analytics, Linear & Nonlinear Dynamical Systems, Mathematical Modelling, Statistical Programming.
- Dean's List.

TECHNICAL SKILLS

Programming Languages: Python, C/C++, Java, R, HTML/CSS, SQL

Operating Systems: Windows, Mac OS, Linux

Software Packages: Tableau + data visualization, Maple, MS Office

LANGUAGE SKILLS

Languages: Fluent English, working French

CAREER RELATED EXPERIENCE

Analytics Assistant

November 2022–Present

Concordia Men's Basketball, Montreal QC

- Proactively initiated sports analytics program.
- Coded personalized data analytics platform.
- Built domain expertise related to coaching and working in a team sports environment.
- Collaborated with coaches to identify and assess key performance indicators.
- Effectively managed fast-paced data generation, analysis, and delivery.
- Advanced from volunteer status to being offered a paid role.

VOLUNTEER EXPERIENCE

Sports Analytics Associate

July 2025 – August 2025

Basketball Québec, Montreal QC

- Aided in assessing team performance in preparation for 2025 Canada Games.
- Designed and maintained analytical framework.
- Produced statistics and reports to support decision making.
- Monitored key areas of interest based on coach needs.

PROJECTS

Basketball Analytics Toolkit, Independent	Present
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- Developed tools in Python to facilitate an efficient sports analytics practice.
- Analyzed play-by-play data to assess offensive flow, defensive strategies, and optimize lineups.
- Collaborated with coaches to identify productive ways of gathering and relaying information.

SPL X MLSE Open Data Challenge 2024, University of Toronto	Fall 2024
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- Examined biometric pose tracking data provided by Maple Leaf Sports & Entertainment.
- Conducted analysis of data to evaluate its utilizations for coaches and athletes.
- Deduced a pragmatic approach to employing granular data in a professional setting.

2>3: Midrange Shot Utility Analysis, Concordia University	Fall 2023
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- Investigated the applications of the midrange shot in basketball in the style of a scientific study.
- Utilized cutting-edge NBA player tracking data from the 2015-2016 season.
- Performed a thorough and nuanced analysis of basketball's "worst shot", leading to positive takeaways to synergize with contemporary strategy.

TRAININGS AND CERTIFICATIONS

Lifeguarding, CPR & First Aid	June 2018
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North Woods Camp for Boys, Mirror Lake NH

ADDITIONAL WORK EXPERIENCE

Head Waiter – G&R and Alto	May 2022–Present
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- Ensured the smooth execution of large-scale events (galas, weddings, fundraisers...)
- Spearheaded services as point man on the floor, giving instructions and communicating with event planners.

EXTRACURRICULAR ACTIVITIES

President – Archery Club	September 2017 – June 2019
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- Ran the archery club of my high school and expanded membership by 350% during that time.

INTERESTS

Fishing, reading, writing, philosophy, old math books. Really anything that lets me exercise my creative muscles outside the confines of a spreadsheet! I love watching and playing all sports, but basketball and football are my true loves.