

# Nicholas Turenne

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## Projects

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### **Transcript Analysis** – NOVEMBER 2025 - DECEMBER 2025 – *Python, Solo, Personal*

- Designed a modular data analysis pipeline to clean, analyze, and visualize academic performance data.
- Engineered weighted GPA and course difficulty metrics using credit-weighted grade points.
- Compared personal GPA trends against class averages across academic terms using custom visualizations.

### **Student Success Experiment** – MAY 2025 - AUGUST 2025 – *Python/SQL, Group, Professional*

- Performed ETL processes on large amounts of student data in Microsoft Fabric to extract necessary information to construct a predictive model.
- Conducted exploratory data analysis to identify patterns, anomalies, and KPI's using visualizations and statistical summarizations.
- Assisted senior data scientists in developing a predictive model using scikit-learn to identify leading indicators to successfully classify student success or failure.

### **UFC Fight Stats Visualizer** – FEBRUARY 2025 - MARCH 2025 – *Python, Solo, Personal*

- Created a Web Scraper using the BeautifulSoup library to gather fighter matchup information for the most recent upcoming UFC event.
- Visualized the gathered fighter information to provide quick and clear fighter matchup insights.

## Technical Skills

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**Languages:** Python, C#, C/C++, Rust, SQL, R, MATLAB, Java, Kotlin, JavaScript

**Frameworks & Tools:** scikit-learn, BeautifulSoup, Power BI, Microsoft Fabric, Unity, Godot, Android Studio

**Concepts:** Data Analysis, ETL Pipelines, Databases (Relational & NoSQL), Machine Learning & AI, Object-Oriented Programming, Functional Programming, Algorithms & Data Structures

## Work Experience

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### **Junior AI and Data Analyst** – SFU'S Big Data Hub – MAY 2025 - AUGUST 2025

- Worked in an agile scrum environment to effectively complete tasks on time.
- Collaborated with data scientists to implement a predictive model to identify student success.

### **IT Analyst** – Shared Services Canada – MAY 2023 - DECEMBER 2023

- Assisted clients in troubleshooting various technical issues to give clients a smooth work experience.
- Managed the creation, deletion, and transfer of various client email accounts to create a seamless transition period for clients.

## Education

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### **B.Sc. Computing Science** – Simon Fraser University – SEPTEMBER 2020 - DECEMBER 2025

- Cumulative GPA: 3.53, Computing Science GPA: 3.72
- Dean's Honour Roll: SPRING 2023, SPRING 2024

## Certifications and Awards

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### **UiPath Studio Essential Training** – LinkedIn Learning – JUNE 2025

### **Introduction to Microsoft Fabric by Microsoft Press** – LinkedIn Learning – MAY 2025

### **B.C. Provincial Lacrosse Champion** – Coquitlam Adanacs – 2016, 2017, 2018, 2019, 2021, 2022