

Arkhan Lewis

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EDUCATION

University of Waterloo

Bachelor of Applied Science Candidate in Management Engineering - 85% avg

Waterloo, ON, Canada

Sept. 2021 - Apr. 2026

EXPERIENCE

Analyst

Nissan

May 2022 - Aug 2022

Toronto, ON

- Automated data conversion with Python and Pandas, reducing conversion time by 99%
- Analyzed and presented KPIs to identify opportunities with regional management teams
- Managed and updated data feeds linking cloud databases and local files

VBA Software Developer Intern

Stantec

Feb 2019 - Apr 2019

Vancouver, B.C.

- Created support tools in VBA to estimate materials spending on projects
- Developed macros to estimate loads on columns on residential buildings
- Automated unit conversion tasks with VBA

Winter Supper Project Coordinator

Prince of Wales Secondary School

Dec 2019

Vancouver, B.C.

- Led and managed a team of 15 to distribute and prepare food at the Prince of Wales Secondary School Winter Supper, with 400+ in attendance
- Coordinated with school staff to ensure scheduling and facility preparation for event

PROJECTS

DPC Player Tracker | *Python, Flask, Requests, HTML, CSS, JavaScript, Hosted on Azure*

April 2022 - Ongoing

- Developed Flask webapp showing statistics from Dota 2 professional players in a user-friendly display
- Created datasets through API requests to create metrics for evaluating player performance, stored on a PostgreSQL database
- Added functionality allowing users to enter their own player ID and compare themselves to the professionals via stats such as XP per minute and K/D ratio
- Created grading system to assign a grade to each player based off their stats to serve as an easy to understand player evaluation

Steam Store Visual Analysis | *Python, Pandas, Matplotlib, Jupyter*

May 2022

- Created visual analysis of games on the Steam Store
- Identified trends in game pricing by creating graphs using the Matplotlib library
- Cleaned data by removing irrelevant observations, handling missing data, and fixing structural errors

Dota Chat Analysis | *Python, Requests, Tableau*

Feb 2022 - March 2022

- Used Python and API requests to process 6000 Dota 2 chatlogs to create a dataset and identify trends among pro players' chat history
- Visualized data with Tableau to emphasize trends, common occurrences, and outliers
- Summarized and explored findings in written report on GitHub

TECHNICAL SKILLS

Languages: Python, Java, HTML, CSS, Visual Basic for Applications

Libraries: Flask, Pandas, Matplotlib, Requests, JSON, Asyncio, Pycord

Developer Tools: Git, Azure, VS Code

Analytics Tools: PostgreSQL, Excel (Macros, Pivot Tables, VLookup), Tableau

Other Tools: Adobe InDesign, Adobe Photoshop, Adobe Illustrator