

EDRIS ADEL

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Education

Wilfrid Laurier University

Honours Bachelor of Computer Science — Minor in Fin. Mathematics — Option in Statistics

May 2027

Waterloo

Technical Skills

Languages: Python, Java, SQL, HTML5, CSS, JavaScript, R, C++, C

Software: LaTeX, Git, MatLab, MongoDB, MS365

Libraries/Frameworks: React, NextJS, ExpressJS Pandas, PyTorch, OpenCV, Django

Experience

Engineering Lead

Sep 2024 – Current

Dribbl | Co-Founder

Toronto, ON

- Co-founded a startup that got accepted into the **DMZ Incubator program**, creating an application that fosters a community sharing hub in the form of both **mobile and desktop versions**.
- Developed a social platform, where athletes can share talent to recruiters, utilizing **MongoDB back-end** service. Users can create **fully customizable** public or private profiles, share achievements, and engage in discussions about local and international matches.
- Implemented a **real-time messaging** feature, enabling **seamless communication** between users, fostering discussions about matches, strategies, and career opportunities

Projects

Computer Vision Football Analyzer

Python | Pandas | Matplotlib

- Used **OpenCV** and personal football vision to develop a machine learning model to track and retrieve ball movement, player positioning, and real-time data from the pitch.
- Created a **team and referee detection model** using **color differentiation** and motion tracking to distinguish players, teams, and match officials.
- Implemented a **distance estimation system** to quantify passes, shots, and player coverage using video frame analysis and geometric heuristics.

Bundesliga Match Predictor

Python | BeautifulSoup | scikit-learn | numpy

- Using BeautifulSoup to scrape data from many websites to get player data, and club statistics from all over the Bundesliga seasons across **2020-2024**
- Using the data retrieved, utilizing **Pandas and Scikit-learn** to feed the data using Pandas into Scikit-learn to create average scores for each probable meeting across every team with **95% accuracy**.

Leadership

Team Lead

Sep 2023 – June 2024

Laurier Computing Society

Waterloo, ON

- Organized workshops and hackathons attracting **50+ participants** per event, strengthening tech community engagement.
- Supervised a team of **4–5 coordinators**, delegated responsibilities, coached new members, and ensured flawless event execution
- Led crisis-preparedness exercises and debriefs; quickly adapted to unexpected changes such as **last-minute venue issues** or **speaker cancellations** and used collective problem-solving to keep events on track multiple times.

Teaching Assistant

Sep 2023 – Current

1st Year Math and CS Assistant

Waterloo, ON

- Supported **100+ first-year students** across math and computer science courses through tutorials and office hours
- Led weekly tutorial sessions (10–20 students each), reinforcing key concepts in calculus, discrete math, and programming in **Python, Java, and C++**
- Provided 1-on-1 academic support to **30+ students**, improving understanding and problem-solving skills