UNIVERSITÉ Concordia UNIVERSITY

INSTITUTE FOR CO-OPERATIVE EDUCATION

Andrew Ungureanu

andrewrazvanu@gmail.com • 438-406-4068

LinkedIn https://www.linkedin.com/in/andrew-razvan-ungureanu-22b7402aa/ • **GitHub** https://github.com/AndrewRazvan

SUMMARY OF SKILLS AND QUALIFICATIONS

Operating Systems │ • Windows • MacOS • Linux

Applications │ • GitHub • Visual Studio Code • IntelliJ • Eclipse • Word • Excel • PowerPoint • Git

Programming │ • Java • JavaScript • Python • C# • React • Node.js • HTML • CSS • C • TensorFlow

Languages │ • French │ Fluent • English │ Fluent • Romanian │ Advanced

WORK EXPERIENCE

Technologies and Operations Intern   **Sept 2024 - Dec 2024**

Desjardins, Montreal, Quebec
- **Automated data transfer** from **Excel** to **BlueMatrix**, improving efficiency and reducing manual errors.
- **Automated data transfer** from **MySQL** to **PowerBI**, improving efficiency and reducing manual errors.
- **Cleaned and corrected** critical internal databases, enhancing data accuracy and reliability.
- Performed various **administrative tasks** to support the Capital Markets team and streamline daily operations.

Automation of Data Processes, Database Management & Cleanup, Excel & BlueMatrix Proficiency

EDUCATION

Bachelor of Engineering – Software Engineering Co-op   **Sept 2023 - May 2027**

Concordia University, Montreal, QC
- Member of the Institute for Co-operative Education
- Relevant Courses: Data Structure and Algorithms, Object Oriented Programming Java I & II, Web Development, Principle of Programming Languages

DEC in Pure and Applied Science   **Aug 2021 - May 2023**

Collège Bois-de-Boulogne, Montréal, QC

PROJECTS

ConUHacks VIII (2024) |*Python, OpenCV, MediaPipe, HTML, CSS, JavaScript*

Concordia University, Montreal, QC
- Developed a fitness tracking tool, **Form Check AI**, to assist users in maintaining proper exercise form using real-time video analysis
- Collaborated with a team of 4 to combine computer vision with fitness tracking, creating an engaging tool for exercise safety
- Employed **Python, OpenCV, and MediaPipe** to analyze form in exercises like bicep curls, push-ups, and squats

Hand Sign Alphabet Recognition System | *Python, TensorFlow, Machine Learning*
- Designed and implemented a **machine learning model** from scratch using **TensorFlow** to recognize and classify hand sign alphabets, promoting accessibility for hearing-impaired individuals
- Improved the model's accuracy by fine-tuning settings and enhancing the training data with creative variations

Full Stack Pet Adoption Website (Academic) | *JavaScript, Express, Node.js, HTML, CSS*
- Developed both the front-end and back-end for a pet adoption website, enhancing functionality and usability
- Utilized frameworks and libraries such as Express and EJS

PolyHacks 2024 | *Python, PyAudio, Matplotlib, Tkinter*
Polytechnique Montréal, Montreal, QC
- Developed Safe and Sound, a real-time sound level monitoring application to alert users on unsafe noise exposure and health risks
- Worked within a team of 3, focusing on audio processing to compute real-time audio levels and assess prolonged noise exposure
- Utilized **Python** for audio processing, calculating average noise exposure and providing real-time alerts for unsafe noise levels

EXTRA-CURRICULAR ACTIVITIES

Semi professional soccer player   **May 2023 - présent**
AS Laval, Laval, Quebec
- Compete in the highest tier of soccer in Quebec.

University Soccer Player   **Aug 2024 - présent**
Concordia Stingers , Montreal, Quebec
- Represent the university in competitive matches, balancing athletics with academics.

Karate black belt 2nd dan   **Aug 2019 - présent**
Shōrin-ryū, Laval, Quebec
- Achieved 2nd dan black belt, mentoring students and competing in various karate tournaments.