

Justin Collier

289-600-1543 | justincollier4@gmail.com | [My Portfolio Page](#)

EDUCATION

Durham College

Artificial Intelligence Analysis, Design and Implementation, Ontario Graduate Diploma

Oshawa, ON

August 2024

- Recipient of Dean's List Academic Achievement: Awarded in all completed terms.

Durham College

Computer Science, Ontario College Diploma

Oshawa, ON

April 2023

- Recipient of Dean's List Academic Achievement: Awarded in all completed terms.

Ontario Tech University

Bachelor of Game Design and Entrepreneurship, Honors Degree

Oshawa, ON

April 2020

- OTU GameCon: Project Demonstrator in all four terms

EXPERIENCE

VR Developer

January 2020 – May 2020

FN Immersive Innovation

Toronto, ON

- Collaborated within a small team to plan, develop, demonstrate and deliver a VR training simulation within the Unity framework that allowed warehouse workers to train remotely on heavy-equipment use and safety.
- Worked closely with our client to deliver a product that could be used repetitively for in-house training and future recruitment.
- Carefully implemented in-simulation safety guidelines that adhered directly with Ontario's OSHA regulations.

PROJECTS

Transcription & Translation Using ML | *TypeScript, React, Whisper, CSS, Git*

April 2024 – May 2024

- Planned and deployed a web app that uses Machine Learning to generate and translate subtitles autonomously.
- Designed in-app support for user's to upload files, make records, or pull audio from existing YouTube videos for the transcription process.
- Made efficient use of tools such as GIT and Netlify to allow for live updates of the deployment.

Tuberculosis Detection | *Python, Flask, PostgreSQL, ASP.NET, C#, Git*

January 2024 – May 2024

- Successfully developed an ASP.NET application to gather symptomatic patient data and query it to an SQL database.
- Collaborate on training and testing a Machine Learning algorithm in Python to perform a predictive diagnosis based on symptomatic flags to determine if a Tuberculosis infection was likely present in a patient.
- Visualized GitHub data in a clean and organized way to show collaboration and major project milestones through the development life cycle.

Visualizing Agriculture Data In Canada | *Tableau, Excel, Jupyter Notebook*

September 2023 – December 2023

- Performed extensive data analysis and feature selection on an agricultural dataset provided by the government of Canada.
- Leveraged tools such as Jupyter Notebook to create Heatmaps, Correlation Matrices, and make use of algorithms such as KNN to deduce and prove initial speculations within the dataset.
- Visualized correlations within data in a story-driven format using Tableau's visualization software and compiled my finding into a brief demonstration.

TECHNICAL SKILLS

Languages: Java, Python, COBOL, C#/C++, SQL (Postgres), JavaScript, HTML/CSS

Frameworks: React, Node.js, PyTorch, TensorFlow, Flask, WordPress, .NET 8, ASP.NET

Developer Tools: Git, Visual Studio, Linux, MacOS, PyCharm, Jupyter Notebook, Eclipse, Microsoft SQL Server Management Studio, Fork, Google Cloud Platform, WebStorm, Tableau

Libraries: pandas, NumPy, Matplotlib, React, Tailwind