

To Whom It May Concern,

I am currently in 4th year engineering at Queen's University, studying Applied Mathematics and Computer Engineering. Throughout work experience, hackathons and personal projects I have developed a passion for all things data science.

I have obtained professional experience as a data scientist by RBC and InFeild-ID. At RBC, I worked in a tech incubator program called Amplify. I was placed in a team of 4, challenged to create an AI based recommendation engine for RBC Capital Markets. My team built Iris, a web app that harnessed a series of machine learning algorithms to generate novel client insights and trade ideas. Our product was filed for a provisional patent by RBC and moved into production as an internal application. After completing my RBC work term, I began working for InFeild-ID. As a data scientist at InFeild-ID, I have built a suite of supervised machine learning models to classify different plant pests and invasive species. In addition, I worked on the back end, to deploy the classification models on the InFeild-ID ios app.

In addition, I have found valuable experience participating in hackathons. At recent hackathons, I worked on teams to create Structurall and NflSenpai. Structurall was built at Hack MIT and is a tool to bring structure to unstructured data. Structerall leveraged speech to text and natural language processing to create a text summary and sentiment analysis of a phone call. Structurall was awarded top 10 out of ~200 teams and runner up for Best Innovative Use of Artificial Intelligence. NflSenpai was created at Qhacks, and is a web app that can predict the winner of two competing NFL teams. This hack was made using a binary classifier and historical game statistics. NflSenpai was awarded Best Domain Name.

Finally, I have further developed my interest in data science from personal and academic projects. I have built audio tools and optimization concepts

Thank you for taking the time to review my application,

Sincerely,

Max Gillham