

## WORK EXPERIENCE

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### Lumentum Inc.

May 2023 – August 2023

Invention Portal Developer (4 Month Full-time Co-op)

Ottawa, Canada

- **Independently** conceived, developed, and executed a **key project** for Lumentum to record, track and process their inventions, while developing **self-initiative**, **resourcefulness**, and proficient **project management** skills.
- Implemented a **PowerApps front-end**, drawing from prior experience, to facilitate a **user-friendly app** for users to efficaciously complete their tasks, while using **SharePoint** as the primary **database management system**.
- Challenged the potential of **PowerApps** by implementing new and innovative features like **document search** and **multiple database communications** by leveraging multiple **APIs**.

### Nuclear Promise X

September 2022 – December 2022

Power Platform Developer / Innovation Catalyst (4 Month Full-time Co-op)

Kincardine, Canada

- Developed multiple **Power Apps**, while following **agile practices**, for clients like Bruce power to work towards **digital transformation** in the Nuclear Industry.
- Leveraged multiple **Power Platform** tools like **Report Builder**, **Power BI**, and **Power Automate** to effectively use the **SharePoint database** and create enhancement features in **Power Apps**.
- Devised an **automated method** within **Power Apps** using **Power Automate** and **Report Builder** to generate **dynamic data reports** that reflected data from **Microsoft SharePoint**.
- Achieved the 1st prize in a **hackathon** for developing a **wireframe** for a **UAT Feedback Tool** that could help in gaining **standardized feedback** and bridge the communication gap between client and developer.

### The Annet Group

May 2020 – July 2020

Data Analyst Intern (Full-time)

Mumbai, India

- Employed **Data Modeling and Analytics** using **SQL** and **Power BI** to analyze company's historical tenant data and identify key markers that affected Tenant rating.
- Devised a **new metric** to judge a new tenant by conducting **qualitative and quantitative research** on insights like financial credit rating, payment patterns and current performance.
- Leveraged **Power BI** to create a **dashboard report** to further showcase the abilities of this metrics to increase the efficiency of the current **AI model** by about 6-7%.

## PROJECTS

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### Scheduling App – Web App to manage day-to-day schedule for Waterloo Students

Current (In Progress)

- Conducted **Quantitative** and **Qualitative Research** through **surveys** and **interviews** to identify **pain points** in managing day-to-day schedule for Waterloo Students.
- Familiarized myself with the **MERN Stack (MongoDB, Express, React, Node.js)** to build a basic **To-do app** to understand the **framework** for the app and the technology requirement to fulfill the needs of the project.
- Used findings from the To-do app to develop a **wireframe** for the Scheduling app.

### Stock Price Prediction Model – Research that integrates multiple prediction models. August 2020 – October 2020

- **Analysed** 5 years stock data from yahoo database and used pre-existing **machine learning algorithms** to gauge their efficacy in the Indian Stock Market and their accuracy pre and post Covid-19.
- Leveraged the findings from the analysis to propose a method of using **1D CNN model** to **predict data** with higher accuracy, up to 95% in some cases.
- Further worked with a research professor to refine the findings and author a **research paper** that was then published in **IJSER in Vol. 11, Issue 10, October 2020**.

## SKILLS

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- Object-Oriented Programming: Python (Pandas, NumPy, Matplotlib), Objective C, C++
- Frontend: React, HTML, CSS, JavaScript
- Other: React Native, Node.js, Express, MongoDB, Power BI, Tableau, R-Programming, DrRacket, Bash script, Power Apps, Power Automate, Power BI, Power BI Report Builder, Azure DevOps