

# David Beallor

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## EXPERIENCE

### **WAVE | BUSINESS INTELLIGENCE CO-OP**

May 2017 - Sep 2017 | Toronto, ON, Canada

- Toronto located and Agile managed startup looking to disrupt the fin-tech industry with cloud-based financial software.
- Responsible for mining actionable insights from a trove of transaction level financial data.
- Implemented statistical learning models to inform targeted marketing efforts, product design, and operational strategy.
- Took part in a company-wide rollout of a MicroStrategy data model to empower employees by providing an accessible, big-data reporting environment.

### **BELL CANADA | BUSINESS INTELLIGENCE CONSULTANT**

May 2016 - Jul 2016 | Toronto, ON, Canada

- A team-oriented summer experience with Canada's leading telecom provider.
- Challenged to solve an internal case which aimed to better understand customer behavior, improve customer retention, enhance the brand image and optimize company operations.
- Responsible for analyzing call center and service roll data to derive tangible business insights.
- Produced data visualizations and presentations using Tableau to communicate the team's findings to company executives.

### **CAMP MANITOU CANADA | SENIOR CANOE TRIP LEADER**

Summers 2013-2015 | Parry Sound, ON, Canada

- Led three to six day expeditions for campers into the Northern Ontario wilderness, including isolated areas such as Algonquin Park, Killarney, Kukagami and Temagami.
- Acted as navigator, first aid provider, lifeguard, chef and counselor for campers of all ages, honing decision-making and risk management skills in high-pressure situations.

## EDUCATION

### **QUEEN'S UNIVERSITY | CANDIDATE FOR BACHELOR OF ENGINEERING, 2018**

Kingston, ON, Canada • Dean's List (All Semesters)

Third year in Applied Mathematics and Engineering within the Computing and Communications stream, combining an extensive curriculum in applied mathematics, computer engineering and computer science.

## TECHNICAL EXPERIENCE

### **MUSICAL STYLE TRANSFER | AN APPLICATION OF STOCHASTIC LEARNING**

Culminating project that puts a twist on stochastic image restoration theory, using the same ideas to learn artistic style from a musical piece, and transfer this style to the content of a second piece.

### **CELLULAR SIGNAL EMITTING DRONES | A CHALLENGE IN MULTI-AGENT SYSTEMS**

Dynamic MATLAB GUI that modeled the propagation of cellular signal via flying, signal emitting drones to a population of mobile users (specifically in Lake Louise, AB).

### **LANGUAGES AND TECHNOLOGIES**

SQL • Python (incl. scikit-learn) • AWS (redshift, S3, Glue) • C++ • Java • Javascript • HTML • CSS  
MicroStrategy • Tableau • MATLAB • SAS • Maple • Microsoft Office • Atlassian Suite (Jira, Confluence)

## ADDITIONAL EXPERIENCE AND AWARDS

- Queen's University Principle's Scholarship for achieving an admission average of 95% or higher.
- Tanenbaum CHAT Mathematics Award (high-school mathematics award).
- Completed Andrew Ng's Stanford Machine Learning course offered by Coursera.
- Coding of Javascript based web-apps (e.g. data visualizations, fractal generators, web games).
- Avid guitarist, guitar teacher, and leader/conductor of the high school jazz band.