David Beallor

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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)

EXPERIENCE

WAVE | Business Intelligence Co-op
May 2017 - Sep 2017 | Toronto, ON, Canada | SQL · Python · AWS · MicroStrategy
- Created a user segmentation model using Scikit-learn to inform product design and marketing efforts.
- Used Scikit-learn to build a propensity model that ranks users for marketing outreach purposes.
- Created Microstrategy dashboards for company-wide reporting on key metrics (SQL driven reporting environment).
- Participated in migration to AWS, gained exposure to Redshift, S3 and Glue (ETL environment).
- Agile development environment.

BELL CANADA | Business Intelligence Consultant
May 2016 – Jul 2016 | Toronto, ON, Canada | SQL · Tableau · SAS · Excel
- Proposed an alternative pricing model for service call fees within the satellite TV department.
- Used call center and service roll data to analyze the projected economic impact of the alternative pricing model. (SAS, Excel)
- Used Tableau to report on key insights gained from the data.

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)
Fourth 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. (Python, Matlab)

PERSONAL SITE | davidbeallor.com
A collection of Javascript based mini-projects, including web-games, fractal generators and data visualizations. (Javascript, p5.js, HTML, CSS)

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).

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.
- Avid guitarist, guitar teacher, and leader/conductor of the high school jazz band.