

# Patrick Chong

UWaterloo Statistics &  
Computer Science Alumni

TN-1 Visa Eligible



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## WORK EXPERIENCE

### Data Scientist

PagerDuty 🔗

09/2019 - 12/2019

San Francisco, USA

- Increased customer acquisition by modeling high propensity accounts using Cox survival analysis.
- Influenced Sales strategy by building a predictive model to forecast account expansion using regression.
- Forecasted pipeline coverage & flow and projected bookings for Sales and Marketing executives.
- Equipped Sales managers with qualified leads, increasing reps' productivity and win rate.

### Data Scientist

CIBC Data Studio 🔗

09/2018 - 12/2018

Toronto, Canada

- Predicted performance of current and future startups with 70% F1-Score using Naive Bayes classifier.
- Successfully clustered and identified fraudulent and suspicious transaction behaviour using K-Means.
- Eliminated product bottlenecks using sentiment analysis and topic extraction via GCP.

### Data Analyst

Hubdoc 🔗

01/2018 - 04/2018

Toronto, Canada

- Improved NPS score by reprioritizing document fetching fixes and new builds by 86%.
- Retained high-level customers by analyzing user engagement using Periscope Data.
- Built analytics infrastructure involving ETL jobs, data modeling in PostgreSQL and visualizations in D3.js and Periscope Data.

### Data Analyst

Obie.ai 🔗

05/2017 - 08/2017

Toronto, Canada

- Increased user retention by providing analytics to the VP of Product and Head of Growth.
- Optimized growth model using Amplitude Analytics and D3.js.
- Developed testing framework for new NLP pipeline using MochaJS and Chai.js.

## ANALYTICS

Pandas

SQL

R

Scikit-learn

Periscope Data

Looker

Matplotlib

## PROGRAMMING

Python

NLP

PostgreSQL

Git

Google Cloud Platform

Google Data Studio

## ON THE SIDE

Latch (05/2015 - Present) 🔗

- Received \$3000 in funding from the Ontario Ministry of Economic Development's Centre of Excellence.
- Pitched to the Director and Head Buyer of the University of Waterloo bookstore.
- Communicated with overseas manufacturing to build prototypes.

NHL Predictor (09/2018 - 04/2019) 🔗

- Predicted winner of NHL game with 67% F1-Score.
- Published Medium article of project breakdown and analysis.
- Incorporated advanced statistics and betting websites' predictions.
- Implemented and optimized 6 classification algorithms.

## EDUCATION

**BMath; Major in Statistics, Minor in  
Computer Science**

University of Waterloo

09/2015 - 04/2020

- Experimental Design
- Algorithms
- Forecasting
- Databases

## MY FAVOURITE THINGS

Everything sports

Morning newsletters

Baking [eating] cakes

r/todayilearned

Chasing my basset hound

Houseplants