

# Warren Chan

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## Research Projects

### Predicting Taxi Trip Duration Spring 2017

- Improved taxi utilization by predicting trip duration based on attributes such as pickup/dropoff location and time
- Determined variables importance employing methods such as LASSO, stepAIC, Regression Tree, and Random Forest.

### Baseball Player Salary Fall 2016

- Used multiple regression to determine which variables are the best for predicting total team wins and the players' salary
- Formed prediction equations for annual total team wins and salaries from 2007-2013 and use these to predict wins and salaries in 2014-2016
- Plotted figures in R to visualize data and extract potential explanatory variables

## Technical Projects

### InsightUBC Fall 2017

- Developed the system API in Typescript to perform tasks required to run the university and enable effective querying of metadata
- Implemented an EBNF-based query to transform the data
- Adapted the project to provision REST endpoints to facilitate remote clients

### Database Application (For Medical Clinics) Fall 2017

- Built a database application that the staff and patients can make changes to and look up relevant infos such as medical history, prescription, and appointments.
- Contained twelve SQL queries such as finding a list of all outstanding invoices (three tables joined) and add diagnosis to Patient's Medical Record (two tables joined).

### Best Buy Technical Support Spring 2017

- To allow customers to search for the nearby technicians for help after they place their orders so as to prevent mismeasurement
- Learned CSS, HTML, and Bootstrap to create a web application for this project

### Public Transit App Fall 2016

- Created an android app where users choose how they want to get from point A to point B with different combinations of transits.
- Utilized Android Studio for GUI elements and implemented the map and features with Java and Google API.

major in computer science, fourth year  
personal github: [github.com/angelason](https://github.com/angelason)

## Skills

- **Data Analysis Skills:** Regression Model Fitting, Hypothesis Testing
- **Programming:** Java • Javascript • C/C++ • Python • R • HTML • CSS
- **Framework/Libraries:** • NodeJs • AngularJs • ReactJs • Bootstrap • JUnit
- **Tools/Environment:** RStudio • RMarkdown • Ruby on Rails • Jupyter • IntelliJ • Matlab

## Education

\***B.Sc in Computer Science** expected 2019  
University of British Columbia, BC, Canada

\***B.Sc in Statistics** expected 2019  
University of British Columbia, BC, Canada

### \***Relevant Courses**

Methods for Statistical Learning,  
Design and Analysis of Experiments,  
Time Series and Forecasting,  
Finding Relationships in Data,  
Introduction to Statistical Inference,  
Introduction to Probability

## Awards & Recognitions

\* **UBC The Faculty of Science International Student Scholarship** Fall 2016

\* **Bell Mobility BC Top Performer & Best Service** October 2015 & March 2016

## Other Work Experience

\***Sales Consultant** 2015-2017  
Bell Mobility

- Opening up new phone plans, providing technical support, and giving customers details of their accounts
- Played the manager role to some extents when the manager authorized me