

# Brian Norlander

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**I currently am studying in Hong Kong. Contact me by email or my local number: +852 9157 1836**

## EDUCATION

### University of Minnesota | B.S. Computer Science | December 2018 | 3.59 GPA

- Dean's list Fall 2015, Spring 2017
- Exchange student at Hong Kong University of Science and Technology 2018

## RELEVANT COURSEWORK

- Algorithms, data structures, data mining, machine learning, natural language processing, databases, operating systems, computer networks, artificial intelligence, graphics, and applied linear algebra.

## WORK EXPERIENCE

### SOFTWARE DEVELOPMENT INTERN | ECOLAB | MAY 2018 – AUGUST 2018

- Back-end and front-end development in Salesforce using Javascript and the Java-like language Apex.
- Created a data importing tool which sped up the data importing process from days to seconds, decreased the error rate, was extremely scalable, and required no technical knowledge to use.

### QA INTERN | WEX HEALTH | APRIL 2017 – AUGUST 2017

- Created and managed thousands of regression tests for multiple web applications using Selenium in C#.
- Wrote a script which parsed test result files and dynamically populated the team's shared Excel file.

## SKILLS & ABILITIES

### PROGRAMMING LANGUAGES

C++, Python, Java, Javascript, SQL, C#/.NET

### FRAMEWORKS, MARKUP LANGUAGES, LIBRARIES, ETC.

HTML, CSS, Git, Salesforce, Linux, Windows, Angular, Node.js, Gulp, Selenium, Scrum, Agile

## PROJECTS

### REDDIT USER IDENTIFIER | MACHINE LEARNING AND NLP APPLICATION

In my last semester of school at HKUST I worked on a semester long independent project. The project involved identifying users on Reddit and using unsupervised learning algorithms to cluster users based on many features including account activity, topic entropy, and subreddit entropy.

### SALESFORCE DATA IMPORTER | WEB APPLICATION

Web application for internal Salesforce admins at Ecolab who need to load data from one environment of Salesforce to another. Used Salesforce API to retrieve JSON responses and convert them into Salesforce objects to be inserted. Front end built in Angular with the help of Bootstrap.

### SONG SENTIMENT PREDICTOR | NLP APPLICATION

For an AI class I created a song sentiment predictor with an interactive UI where the user could enter the name of a song and would get a response of the sentiment of that song. It was correct over 50% of the time when choosing between 7 categories. Written in Python using the sklearn library.