

# Bill Chan

## Data Scientist - Brighterion

Alameda, CA - Email me on Indeed: [indeed.com/r/Bill-Chan/ae02c44e84ac1213](https://www.indeed.com/r/Bill-Chan/ae02c44e84ac1213)

Willing to relocate: Anywhere

Authorized to work in the US for any employer

## WORK EXPERIENCE

### Data Scientist

Brighterion - September 2014 to Present

- Worked with MasterCard business leaders to provide proof of concepts for potential clients and banks. These proof of concepts shows how much fraud we can detect and at what false positive rate.
- Worked with and joined tables that have hundreds of millions rows by hundreds of columns on Oracle and Netezza.
- Extensively use Oracle SQL analytical functions to create counters.
- Used bash to automate SQL scripts and sed for basic text manipulation.
- Used Excel to generate reports and metrics for the customers.
- Used python and R to analyze credit card data to find anomalies that may be caused by bad data cleaning, consumer behavior, fraud attacks and more.

### Network Support Engineer

Hurricane Electric - January 2014 to March 2014

- Responsible for day-to-day network operation and customer support.
- System Administration, troubleshooted and administered Linux and OS X servers.
- Collaborated with network engineers to predict hacking attempts with GLM using R and Python and successfully thwarted hacking attempts.

### Mechanical Engineer

Silicon Valley Optical Technology - May 2011 to August 2012

- Collaborated with optical engineers to design and create fixtures.
- Created a regression model using Matlab and Excel that successfully decreased an R&D procedure process time by up to 80%.
- Successfully increased productivity by running hypothesis testing on different R&D procedures.
- Analyzed data and created mission critical reports for optical engineers using Excel macros.

## EDUCATION

### M.S. in Statistics

California State University - Hayward, CA

September 2011 to June 2013

### B.S. in Mechanical Engineering

University of California - Santa Barbara, CA

September 2006 to December 2010

## SKILLS

Matlab (1 year), SQL (2 years), UNIX (Less than 1 year)

## ADDITIONAL INFORMATION

### Skill Summary

Computer Experience: SQL, Matlab, R Programming and UNIX commands