

Lawrence Chen

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Education

UCLA: Anderson School of Management

M.S. in Business Analytics

Coursework: Machine Learning, Data Management, Optimization, Prescriptive Models

Los Angeles, CA

Expected Graduation: Dec 2020

Carnegie Mellon University

B.S. in Statistics, Minor in Business Administration

Coursework: Statistical Computing, Statistical Graphics and Visualization, Modern Regression, Advanced Data Analysis, Data Mining

Pittsburgh, PA

May 2019

Awards: Dietrich College Dean's List (Fall 2016, Fall 2017)

Skills

- **Languages:** SQL, R, Shiny, Python
- **Software:** Tableau, Platfora, SPSS, SAP HANA, Salesforce, Power BI, Qlik, Oracle
- **Analytics:** Exploratory Data Analysis, Regression, Time Series Analysis, Statistical Learning, Feature Engineering

Industry Experience

Pure Storage

HR People Analytics Intern

Mountain View, CA

Jun 2019 – Aug 2019

- Documented the sources of and defined critical HR KPIs by searching across 600+ tables located in Amazon Redshift and interpreting a 15,000 line long SQL query
- Built HR data infrastructure from the ground up by compiling my findings into a comprehensive data dictionary, ensuring increased data reliability, more efficient work flows, and scalability.
- Created classification models in R to predict whether or not an employee would leave the company in six months.
- Generated forecasting models of headcount metrics, allowing other departments to plan and budget for future quarters.

Salesforce

Business Intelligence Analyst Intern

Bellevue, WA

May 2018 – Aug 2018

- Optimized allocation and dramatically reduced upkeep costs by up to 25% by conducting comprehensive data analysis on Salesforce's data centers' power consumption utilizing R
- Constructed datasets from Salesforce, Coolan, and Argus using SQL queries in order to pull data at a granular level.
- Created interactive visualizations with Plotly in R projecting facility-level power use over the next year.
- Generated power draw metrics allowing the infrastructure team to make precise asset cost and allocation projections.

Palo Alto Networks

Business Intelligence Analyst Intern

Santa Clara, CA

May 2017 – Aug 2017

- Built user-friendly dashboards that generated a cumulative audience of over 3,000 views by creating SQL queries to pull data from SAP HANA database into Tableau.
- Designed multilevel clickable dashboards to allow for easy navigation and data visualization at different granularities of the company's critical at-risk client cases.
- Utilized Clarizen and Confrimit weekly to send out surveys to clients upon a completed service term while also coordinating and verifying data with IT teams in the development of automated survey delivery.

Cisco Systems

Software Intern

San Jose, CA

May 2016 – Aug 2016

- Created visualizations in Platfora with Oracle SQL database to provide trend analysis of meeting usage for billing team.
- Provided quality assurance for and edited existing Platfora visualizations to improve dashboard usability.
- Utilized R to perform exploratory analysis of meeting usage patterns for billing monitoring.
- Collaborated with the operations and billing teams in end-to-end monitoring to prevent fraud and revenue leak.

Projects

Applied Regression Analysis

- Built a model to predict the number of different plant species on islands around the world given a dataset with variables such as area, elevation, and number of different soil types.
- Utilized R to analyze the dataset with multiple regression, multicollinearity, variable selection, and model selection.

Statistical Learning Classification

- Employed classification methods to predict whether flights leaving PIT in 2018 would be delayed with an accuracy of 89%.
- Generated a multitude of statistical learning models in R with the primary one used being random forest.