

# Justin Han

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## EDUCATION

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### University of California, Berkeley

Berkeley, CA

*Bachelors in Statistics, Concentration in Computer Science and Economics*

*Expected Graduation: May 2020*

- **Coursework:** Industrial Organization & Public Policy, Multivariable Calculus, Linear Algebra, Statistics, Discrete Mathematics & Probability Theory, Data Science, Structure and Interpretation of Computer Programs, Artificial Intelligence, Computational Data Analysis, Statistical Prediction & Machine Learning, *Time Series, Linear Modeling*

## SKILLS

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**Technical:** R, RMarkdown, SQL, Python, LaTeX, Git, MS Excel, MS PowerPoint, MS Word, Java, Tableau, Stata, HTML5, CSS, JavaScript, JIRA

**Other:** Data Visualization (i.e. ggplot2), Data Manipulation (i.e. dplyr), Data Mining/Cleaning/QA, Regression Analysis, Hypothesis Testing, Pattern/Trend Identification, Quantitative Methods, Supervised/Unsupervised Learning Methods, Data Structures

## EXPERIENCE

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### Wells Fargo

San Francisco, CA

*Strategy & Analytics Intern*

*June 2019 – August 2019*

- Implemented a digital tool for mobile and desktop banking platforms, resulting in ~20% decrease in client wait times.
- Worked on a financial model that is projected to reduce 2020 quarterly costs for Agile development teams by ~7%.
- Developed KPIs to monitor internal operations and decreased software approval times by ~15%.

### UC Berkeley Graduate Department

Berkeley, CA

*Data Researcher/Project Assistant*

*October 2018 – May 2019*

- Collected and analyzed UC Berkeley's graduate student data through surveys issued across 2500+ departments and implemented data visualization techniques for publication.
- Strengthened alumni relations by creating UC Berkeley's graduate school alumni networking system.
- Managed and compiled a database of over 2,500 interdepartmental yearly graduates using LinkedIn, Excel and SAS.

### HS2 Academy

Fremont, CA

*Data Analyst Intern*

*June 2017 – August 2017*

- Performed analysis (i.e. data wrangling, reshaping, tidying, visualization, etc.) on uncleaned data and generated reports for ads.
- Created decks for management to increase marketability with an expected client base growth of ~5% for the following year.

## EXTRACURRICULARS

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### CAL Actuarial League

Berkeley, CA

*Team Lead*

*January 2018 – Present*

- Built models in excel and demonstrated critical thinking through analyzing case studies provided by Beam Dental (Health & Benefits), CSAA Insurance Group (Property & Casualty), and Aon (Retirement).
- Placed 3<sup>rd</sup> out of 20+ teams in the Ninth Annual Actuarial Case Competition at UC Berkeley.

### Computer Science and Statistics Course Staff

Berkeley, CA

*Student Instructor/Lab Assistant*

*August 2018 – Present*

- Taught a small class about the concepts of statistical computing and the data analysis cycle using the R language.
- Helped students debug python/R code and recap important lecture topics (i.e. recursion, trees, data structures, algorithms, etc.).

## PROJECTS

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### Crime and Communities

- Implemented machine learning techniques such as regression analysis, PCA, CV, and data visualization methods in R to develop the best model (using MSE as a metric) to predict crimes using the "Crime and Communities" dataset provided by the University of California, Irvine.

### Shiny Application: Investing

- Created a web application using R and the "Shiny" package that allows users to interactively visualize different saving and investing scenarios (in the absence of inflation).