

# Kenneth Lee

<https://kenneth-lee-ch.github.io/>

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## EDUCATION

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- **University of California, Davis** Davis, CA  
*Master of Science in Statistics* *Sep. 2019 - Jun. 2021*
  - **Relevant Coursework:** Statistical Machine Learning, Natural Language Processing, Design Experiments, Data & Web Technologies for Data Analysis, Causal Modeling
- **Brigham Young University—Hawaii** Laie, HI  
*Bachelor of Science in Mathematics, Computer Science; GPA: 4.00/4.00* *Sep. 2014 - Jun. 2018*
  - **Relevant Coursework:** Artificial Intelligence, Algorithms and Complexity, Multivariate Statistics, Object-oriented Programming, Business Analytics, Advanced Database Topics

## WORK EXPERIENCE

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- **University of California, Davis** Davis, CA  
*Teaching Assistant* *Sep 2019 - Present*
  - **Courses Taught::** Machine Learning, Business Analytics, Data Design and Representation, Data Visualization
- **Newday Impact Investing** San Francisco, CA  
*Data Analytics Intern* *Jun 2020 - Sep 2020*
  - **Classification:** Automated 25% of the portfolio construction process by labelling company listings with historic data that have 1:16 imbalanced class distribution and over 50% missing values using ensemble learning to achieve 0.7 F1-score.
  - **Portfolio Construction:** Built a thematic portfolio with principal component analysis using data from S&P 500 in terms of racial justice impact and financial return.
- **Dell EMC** Hong Kong  
*Associate Consultant Intern* *Jul 2019 - Sep 2019*
  - **System Testing:** Designed and implemented test cases for user authentication using MS SQL Server for the human resources manpower information system of Hong Kong Vocational Training Council which has 1000+ staff.
- **Brigham Young University—Hawaii** Laie, HI  
*Research Analyst Intern, Institutional Research* *Jul 2018 - Jun 2019*
  - **Tableau:** Organized a site on Tableau Server, built visualizations with row-level security using Tableau Desktop to allow 100+ faculty members to view their course evaluation feedbacks in real-time.  
*Research Assistant Supervisor, Institutional Research* *Sep. 2017 - Jun. 2018*
  - **Data Warehousing:** Spearheaded a change in the existing ETL workflow from downloading files on an HTML interface of Oracle PeopleSoft to directly connecting Tableau with data sources such as Qualtrics and Oracle databases for reporting.
- **Brigham Young University** Provo, UT  
*Researcher, Information and Decision Algorithms Laboratories* *Jun. 2017 - Sep. 2017*
  - **Data Collection:** Retrieved streaming messages from Twitter by using *tweepy*, a Python wrapper on the Twitter API, and stored the data in MongoDB, a NoSQL database. The entire process is implemented on AWS EC2.
  - **Natural Language Processing:** Processed tweets collected from Twitter by using *numpy*, *pandas*, *gensim*, and *word2vec* in Python to convert tweets into topics and the corresponding numeric signals. [[Link to paper](#)]

## CERTIFICATION

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- **Tableau Desktop Specialist**, Tableau Software

## PROGRAMMING SKILLS

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- **Languages:** : Python, R, SQL, MATLAB, C#, Java, CSS, HTML
- **Frameworks:** : Tensorflow, Keras, Theano, Scikit-learn, Pytorch
- **Others:** : MongoDB, AWS EC2, AWS DynamoDB, AWS S3, Jupyter Notebook