

Olivia Lee

Boston, MA (Open to Relocation & Remote Work)

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EDUCATION

Boston University | Boston, MA Expected May 2023
M.S. in Applied Data Analytics, GPA: 3.93/4.00
University of Michigan | Ann Arbor, MI May 2022
B.S. in Mathematics of Finance and Risk Management

SKILLS

Programming: Python (Pandas, Numpy, Matplotlib, Scikitlearn, Tensorflow/Keras), R, SQL, C++, Spark
Technologies: AWS, Google Cloud Platform, Google Analytics
Relevant Coursework: Advanced Machine Learning and Neural Networks, Big Data Analytics, Statistical Computing and Data Visualization, Web Mining and Graph Analytics, Data Mining, Data Structures, Analysis of Algorithms

EXPERIENCE

CIMB Niaga Bank | Jakarta, Indonesia Jun 2022 – Jul 2022
Advanced Analytics Intern

- Performed quantitative analysis on the effectiveness of campaigns by pulling data using SQL, and communicated these insights to the business unit (non-technical audience), contributing to data-driven decisions implemented
- Monitored monthly website analytics data using Google Analytics and spearheaded reports with easily digestible data visualizations, suggesting capitalization of marketing campaigns on website traffic trends
- Accelerated monthly data cleaning process by creating code in R that automated their tasks, eliminating user error and condensing two days' worth of monthly work to two minutes

CONCAT Inc. | Seoul, South Korea May 2021 – Aug 2021
Corporate Strategy Intern

- Conducted market analysis on competitors for an investor pitch and presented findings to CEO, leading to the company's successful advancement to the seed funding stage
- Contributed unique ideas from a Gen Z perspective for development of a new social media application, improving UI and UX for target market demographics

Taylor's University | Subang Jaya, Malaysia May 2018 – Jul 2018
Calculus I Tutor

- Curated weekly lesson plans and exercises for a class of 20 students to supplement their usual Calculus I class, improving their letter grades and their understanding of the course

PROJECTS

Taxi Prices, Statistical Data Analysis (R) Nov 2022 – Dec 2022

- Incorporated statistical hypothesis testing methods (two sample t-test, ANCOVA) to determine price differences between Uber and Lyft, leading to significant conclusions
- Interpreted findings with statistical metrics coupled with supporting data visualizations, translating my conclusions to easily digestible content for non-technical audiences

Salary Prediction, Predictive Modelling (Python) Nov 2022 – Dec 2022

- Adopted machine learning algorithms (logistic regression, random forest, k-NN, Naïve Bayes) and optimized hyperparameters to train data for successful prediction of salaries
- Executed thorough data standardization and label encoding with Chi-square test dimensionality reduction for seamless and prediction with higher accuracy

Mental Health Importance Classification, Data Mining (Python) Oct 2022 – Nov 2022

- Implemented five machine learning algorithms and five attribute selection methods for a total of 25 models to predict employee's takes on mental health importance
- Employed the various performance metrics to determine the best classification algorithm and attribute selection method for our data, evaluating the best model with the ROC AUC at 0.92.

Chicago Traffic & Accidents, Exploratory Data Analysis (R) Nov 2021 – Dec 2021

- Performed data preprocessing, transformation and analysis with the use of regression models in R to study the correlation of different variables with traffic accidents, determining leading causes

ADDITIONAL

- Languages: English (Native), Malay (Fluent), Indonesian & Korean (Intermediate), Mandarin (Beginner)
- Self-taught sewist, altering and sewing clothing and accessories from scratch