

# 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, GPA: 3.24/4.00

## SKILLS

**Programming:** Python (Pandas, Numpy, Matplotlib, Scikitlearn, PySpark, Tensorflow), R, SQL, C++, Google Cloud

**Certifications:** Google Data Analytics Professional Certification, Courses 6 of 8 Completed

**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

**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.

**Piazza Post Classification, Natural Language Processing (C++)** Apr 2022 – May 2022

- Composed a program that read and classified Piazza posts, allowing for classification of past and future posts

**Image Resize, Computer Vision (C++)** Jan 2022 – Feb 2022

- Authored a computer vision algorithm in C++ that detects and removes unimportant pixels in images, and resizes them without distinguishably distorting the images

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

- Performed data cleaning, 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