# Olivia Lee

Boston, MA (Open to Relocation & Remote Work)

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## EDUCATION

**Boston University**                                                                                       Boston, MA
*M.S. in Applied Data Analytics – GPA: 3.9*                                                      *May 2023*

**University of Michigan**                                                                        Ann Arbor, MI
*B.S. in Mathematics*                                                                                    *May 2022*

## TECHNICAL SKILLS

| | |
|---|---|
| **Programming** | Python (Tensorflow/Keras, PySpark), R, SQL, C++, MATLAB |
| **Platforms** | AWS, GCP, Google Analytics |
| **Coursework** | Neural Networks, Big Data, Algorithms, Data Structures, Statistical Computing and Data Visualization, Probability Theory, Data Mining, Web Mining |

## EXPERIENCE

**Data Analyst Intern**                                                               May 2023 – Sept. 2023
*Builders Patch*                                                                        *New York, NY (Remote)*

**Advanced Analytics Intern**                                                      Jun. 2022 – Jul. 2022
*CIMB Niaga Bank*                                                                         *Jakarta, Indonesia*
- Automated monthly data cleaning in R, reducing two days of work to two minutes
- Performed SQL-based analysis, delivering actionable insights for data-driven decision-making
- Managed website analytics, leveraging visual reports to capitalize on marketing campaigns

**Strategy Intern**                                                                    May 2021 – Aug. 2021
*CONCAT Inc.*                                                                            *Seoul, South Korea*
- Conducted competitor analysis, presenting findings to CEO, resulting in successful seed funding
- Improved UI/UX with informed insights based on current trends for target demographic

## PROJECTS

**TED Talk Audio Summarization** | *Python, Natural Language Processing (NLP)*          May 2023
- Leveraged Wav2Vec model and tokenizers to convert speech to text
- Applied diverse algorithms and BERT models for keyword and keyphrase extraction

**Brain Tumor MRI Classifier** | *Python, Vision Transformer (ViT)*                     Apr. 2023
- Developed a ViT model to detect tumors from brain MRI scans with 88.83% accuracy
- Utilized overfitting prevention techniques and hyperparameter tuning for model optimization

**Flight Analytics** | *Python, Spark, Big Data*                                        Apr. 2023
- Built ML models (regression & classification) for flight delay prediction on 60M rows of data
- Utilized Spark for parallelization of tasks and deployed model on GCP with a 8.8GB dataset

**Uber vs. Lyft Prices** | *R, Exploratory Data Analysis (EDA)*                         Nov. 2022
- Applied statistical hypothesis testing (t-tests, ANCOVA) to identify significant price differences
- Communicated statistical findings into easily understandable content with visualizations

**Mental Health Importance Classifier** | *Python, Data Mining*                         Oct. 2022
- Employed 5 ML algorithms and 5 dimensionality reduction methods, creating 25 models
- Evaluated models using performance metrics, with the best model at an ROC AUC of 0.92

## ADDITIONAL

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