

Olivia Lee

Boston, MA (Open to Relocation & Remote Work)

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EDUCATION

Boston University <i>M.S. in Applied Data Analytics – GPA: 3.9</i>	Boston, MA <i>May 2023</i>
University of Michigan <i>B.S. in Mathematics</i>	Ann Arbor, MI <i>May 2022</i>

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 (Upcoming) <i>Builders Patch</i>	May 2023 – Sept. 2023 <i>New York, NY (Remote)</i>
Advanced Analytics Intern <i>CIMB Niaga Bank</i> <ul style="list-style-type: none">Automated monthly data cleaning in R, reducing two days of work to two minutesPerformed SQL-based analysis, delivering actionable insights for data-driven decision-makingManaged website analytics, leveraging visual reports to capitalize on marketing campaigns	Jun. 2022 – Jul. 2022 <i>Jakarta, Indonesia</i>
Strategy Intern <i>CONCAT Inc.</i> <ul style="list-style-type: none">Conducted competitor analysis, presenting findings to CEO, resulting in successful seed fundingImproved UI/UX with informed insights based on current trends for target demographic	May 2021 – Aug. 2021 <i>Seoul, South Korea</i>

PROJECTS

TED Talk Audio Summarization <i>Python, Natural Language Processing (NLP)</i> <ul style="list-style-type: none">Leveraged Wav2Vec model and tokenizers to convert speech to textApplied diverse algorithms and BERT models for keyword and keyphrase extraction	May. 2023
Brain Tumor MRI Classifier <i>Python, Vision Transformer (ViT)</i> <ul style="list-style-type: none">Developed a ViT model to detect tumors from brain MRI scans with 88.83% accuracyUtilized overfitting prevention techniques and hyperparameter tuning for model optimization	Apr. 2023
Flight Analytics <i>Python, Spark, Big Data</i> <ul style="list-style-type: none">Built ML models (regression & classification) for flight delay prediction on 60M rows of dataUtilized Spark for parallelization of tasks and deployed model on GCP with a 8.8GB dataset	Apr. 2023
Uber vs. Lyft Prices <i>R, Exploratory Data Analysis (EDA)</i> <ul style="list-style-type: none">Applied statistical hypothesis testing (t-tests, ANCOVA) to identify significant price differencesCommunicated statistical findings into easily understandable content with visualizations	Nov. 2022
Mental Health Importance Classifier <i>Python, Data Mining</i> <ul style="list-style-type: none">Employed 5 ML algorithms and 5 dimensionality reduction methods, creating 25 modelsEvaluated models using performance metrics, with the best model at an ROC AUC of 0.92	Oct. 2022

ADDITIONAL

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