Olivia Lee

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EDUCATION

Boston University   Boston, MA
M.S. in Applied Data Analytics – GPA: 3.9/4.0   *May 2023*

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

Relevant Coursework
Neural Networks | Big Data | Algorithms | Data Structures | Data Visualisation | Statistics | Applied Regression

TECHNICAL SKILLS

Programming	Python (Tensorflow/Keras, PySpark), R, SQL, C++, MATLAB
Frameworks	Google Cloud Platform (GCP), Kubernetes, Airtable, Webflow, Google Analytics

EXPERIENCE

Data Analyst   May 2023 – Present
Builders Patch — FinTech Startup   *New York, NY*
- Spearheaded a public data dashboard initiative, utilizing **Python** to aggregate and visualise data
- Orchestrated end-to-end **product lifecycles**, bridging technical concepts between product and engineering
- Proactively engaged with clients to address concerns and **facilitate communication** to engineering
- Served as a product expert, **troubleshooting** and **resolving roadblocks**, being the go-to for inquiries
- Proficiently updated and created sites on **Webflow**, handling CMS collections and ensuring optimal **UI/UX**

Advanced Analytics Intern   Jun. 2022 – Jul. 2022
CIMB Niaga Bank — Finance   *Jakarta, Indonesia*
- Scripted automation in **R**, saving **100 hrs/mo**. of manual data cleaning efforts
- Performed **SQL-based analysis**, delivering actionable insights for data-driven decision-making
- Communicated data and findings, leveraging **visual reports** to capitalize on marketing campaigns

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

PROJECTS

TED Talk Summarization | *Python, NLP*   May 2023
- Leveraged Wav2Vec and tokenizers to convert speech to text with **89% character accuracy**
- Implemented various algorithms (eg. **BERT**, KeyBERT, spaCy) to extract keywords and keyphrases

Brain MRI Classifier | *Python, Vision Transformer*   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*   Nov. 2022
- Applied **statistical hypothesis testing** (t-tests, ANCOVA) to identify significant price differences
- Communicated statistical findings into easily understandable content with visualizations

ADDITIONAL

- Languages: English (Native), Malay (Fluent), Indonesian & Korean (Intermediate)
- Self-taught sewist & crochet artist, upcycling materials and making clothing and accessories from scratch