

# Olivia Lee

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## EDUCATION

### Boston University

*M.S. in Applied Data Analytics – GPA: 3.9/4.0*

Boston, MA

May 2023

### University of Michigan

*B.S. in Mathematics*

Ann Arbor, MI

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 Intern

*Builders Patch — FinTech Startup*

May 2023 – Present

*New York, NY (Remote)*

- 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

*CIMB Niaga Bank — Finance*

Jun. 2022 – Jul. 2022

*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

*CONCAT Inc. — Social Media Startup*

May 2021 – Aug. 2021

*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