

## ABOUT ME

I am incredibly passionate about understanding the world around us through working with data. The ideal career trajectory for me would be using my business knowledge and data analytics skills to make meaningful social impact. I love to code and hope to make coding more accessible to Vietnamese children in the future.

## ACADEMIC BACKGROUND

### MONASH UNIVERSITY

Bachelor of Actuarial Science, Major in Business Analytics

Feb 2019 - Expected graduation: Dec 2021

- Top of cohort in ETC1010 Data Modeling and Computing.
- Monash Business School's 2019 Study Grant for Excellent International Students.
- GPA 3.9 out of 4.0.

## PROJECTS

### MACHINE LEARNING - IMAGE RECOGNITION

Kaggle Competition

- Worked in a team to build different machine learning models that can correctly label hand-drawn images of people playing Pictionary game.
- **Models built:** Convolutional Neural Networks with accuracy of 93%, Random Forests, Extreme Gradient Boosting.

### VIRTUAL DATA ANALYTICS INTERNSHIPS

InsideSherpa

- Completed virtual data analytics internships offered by KPMG, Quantum and Deloitte.
- Analysed data to explore customer segmentation and provided commercial recommendations through data visualisations and deliverables to the client.
- **Tools used:** R, Tableau, Excel.

### PERSONAL WEBSITE & BLOG

- A Data Analytics, Machine Learning and Lifelong Learning Blog. I am creating my own Machine Learning Crash Course with Applications in R there.
- **Tools used:** R (blogdown), GitHub (for version control), Netlify and Hugo (for deployment).

## ONLINE PRESENCE

- **Personal Website:** <https://nhi-chelsea-le.netlify.app/>
- **GitHub:** <https://github.com/halannhile>
- **LinkedIn:** <https://www.linkedin.com/in/nhi-hl-le/>

## PROFESSIONAL EXPERIENCE

### PROJECT CONSULTANT

Jul 2020 - Present

Impetus Consulting Group

- Impetus Consulting Group is a not-for-profit organisation that provides pro-bono consulting services to charities and social enterprises in Australia.
- Currently working in a team of 6 to help sustainably expand EastWeb - an NPO that provides socio-economic support for Indigenous, refugee & asylum seeker communities in Victoria.

### PROGRAM TESTER

May 2020

Quantium

- Tested out all modules to provide improvement suggestions for Quantum's Data Analytics Virtual Internship.
- **Recommendations accepted by Quantum:** modifications of R code, removal of redundant dataset, publication of source code to facilitate reproducibility, clarification in expected deliverables to the client.
- **Tasks completed:** tidying transactions and customers data, identifying high-value customers and analysing the success of trial store layouts, producing data visualisations for presenting to the client.

## EXTRACURRICULAR EXPERIENCE

### SPONSORSHIP DIRECTOR

Sep 2019 - Now

Monash Actuarial Students Society | MASS

- Liaised between university bodies, 16 corporate sponsors and more than 200 members.
- Obtained two new sponsors and two sponsorship upgrades.
- Co-initiated and led the production of the MASS Podcast Series: Day in the Life of an Actuary.

### TREASURER

Sep 2019 - Now

Monash University International Students' Service | MUISS

- Managed financial transactions for all MUISS events catering for more than 30,000 international students at Monash University, Clayton Campus.
- Obtained the first 2 sponsors for MUISS.

## TECHNICAL SKILLS

- **Data analytics & machine learning:** R (tidyverse, tidymodels), Python (numpy, scikit-learn, pandas, tensorflow).
- **Data visualisation:** R (ggplot2, plotly, shiny), Tableau.
- **Database management:** MySQL.
- **Forecasting:** ARIMA and ETS modeling.