

96436958 | [github.com/shinkurono](https://github.com/shinkurono) | [public.tableau.com/yang.zhenyan](https://public.tableau.com/yang.zhenyan) | [kaggle.com/shinkurono](https://kaggle.com/shinkurono) | [shinkurono.github.io](https://shinkurono.github.io)

## WORKING EXPERIENCE

### Jul 2021 – Dec 2021 | Land Systems Data Analyst Intern | ST Engineering

- ST Engineering Land Systems provides customised land systems and security solutions for customers
- Explored the correlation of certain factors in 200 rows of confidential defence data and forwarded findings to department head
- Cleaned raw survey data of 5500 responses using Python and developed visualisations using Power BI which was then presented to course trainers with further suggestions on how they can improve the course experience
- Developed a prototype Excel search filter for inventory tracking using Visual Basic, saving 28% in search lookup time.

### Jul 2020 – Aug 2020 | Blossom Seeds Volunteer Web Developer | Blossom Seeds

- Created a website using Vue framework for Blossom Seeds Flag Day for online donations as part of a fund raising campaign which drew donations of \$1.4 million in total, the project repository is located at [shinkurono/tintin](https://shinkurono/tintin).

### Dec 2019 – Jan 2020 | Skillsfuture Singapore Project Data Analyst Intern | Skillsfuture Singapore

- Scraped and cleaned 85000 job listings from Indeed's website with BeautifulSoup 4 and Pandas, for Skillsfuture Singapore to assess whether past initiatives and workshops' usefulness for those upgrading skills or changing jobs.
- Conducted preliminary analysis of the data and showed it to supervisors when passing to them the scraped data providing initial areas of exploration for the team

### Feb 2019 – Present | CS1010S Programming Methodology Teaching Assistant | National University of Singapore

- Foundational Computer Science programming course
- Automated script to scrape forum activity weekly to measure student participation, totalling 5000 posts each semester
- Conducted tutorials for class sizes 8-16 students, obtained a teaching score of 4.3/5, higher than faculty average 4.1

## EDUCATION

### Aug 2018 – Present | Bachelor of Science | National University of Singapore

- Bachelor of Science (Honours) in Business Analytics with a second Major in Economics, graduating May 2022

## SKILLS

### Languages:

Python · R · Java · JavaScript · HTML · CSS · SQL · Markdown · Visual Basic

### Libraries, Frameworks and tools:

Tableau · Vue · ReactJS · XGBoost · Tensorflow · Agile · PowerBI · Git · BS4 · Sellenium · Dash · Heroku · Firebase

## PROJECTS

### Oct 2021 – Nov 2021 | Anomaly detection on a Character Font Images Dataset | National University of Singapore

- Achieved 0.990 Area Under the Curve score in both the public and private dataset, after using SMOTE to deal with the unbalanced data which was transformed into a 2D array and passed into Convolutional Neural Networks (CNNs) to detect anomalous character fonts, coming 73<sup>rd</sup> out of 122 participants, and was higher than the baseline case of 0.989.

### Jan 2020 – Jun 2020 | vuePlan | National University of Singapore

- Collaborated with 4 other group members to create vuePlan using the Agile framework, a web application made using Vue designed to help students from the National University of Singapore (NUS) create their academic plans more efficiently. The project site can be found at [vueplan.firebaseio.com](https://vueplan.firebaseio.com), and the repository at [ValaryLim/vueplan](https://ValaryLim/vueplan).

### Aug 2019 – Dec 2019 | Automated Investment News Scraper | NUS Fintech Society

- Worked on an automated scraper which scrapes SmartKarma, an independent investment research network for investment news every hour, scraping 10-20 news articles every hour. Repository is at [nusfintech/ML\\_SmartKarma](https://nusfintech/ML_SmartKarma).

### Apr 2019 – Jun 2019 | F1 Analysis Dashboard

- Developed a F1 Analysis Dashboard using Tableau while using data provided from [ergast.com/mrd](https://ergast.com/mrd) to analyse F1 races. The dashboard can be found at [TableauF1DataAnalytics/F1Dashboard](https://TableauF1DataAnalytics/F1Dashboard)

**Feb 2019 – Mar 2019 | National Data Science Competition | Shopee**

- Used Long Short-Term Memory neural networks on text data to classify items into various categories, with 75.56% prediction accuracy, coming in 54<sup>th</sup> out of 359 participants. The repository is here: [shinkurono/ndsc2019](https://github.com/shinkurono/ndsc2019)

**Feb 2019 – Aug 2019 | Logistics Executive | NUS Fintech Society**

- Worked to ensure society operations are run smoothly, by fulfilling various logistics requirements such as venue booking, buffet procurement, and equipment procurement.