

GERALD HO SHAO XIAN

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EDUCATION

National University of Singapore

Aug 2021 – Present

Bachelor of Science (Honours) in Business Analytics GPA 4.86 / 5.0

- Minor Study: Statistics
- Specialisation: **Machine Learning-Based Analytics**
- Overseas Exposure: Student Exchange Programme to University of British Columbia (*Ongoing*)
- Awards: (1) NUS Global Merit Scholarship (2) AY 21/22 Semester 1 Dean's List (3) Top Students for Data Management and Visualisation (4) Top Students for Ethics in Computing

WORK EXPERIENCE

National University of Singapore

Aug 2022– Apr 2023

Teaching Assistant - CS1010S Programming Methodology

- Conducted weekly tutorial classes on fundamental programming concepts for 12 students
- Received positive feedback with 4.6/5.0 rating and 50% teaching award nominations

PROJECTS

Fit for the Job?

Jan 2023 – Apr 2023

- Developed and trained various classification models on a web scraped job description dataset to predict the job category of a given resume to ensure that submitted resumes are good fits for online job postings
- Performed web scraping from indeed.com to obtain job descriptions of 8 different job categories
- *Tech Stack: Python, Selenium, scikit-learn, Tensorflow*

GYMMBUDDY

Jan 2023 – Apr 2023

- Developed a full-stack web application for clients to monitor their fitness progress, book gym sessions, and configure their workout routines
- Employed SCRUM for Agile software development throughout the project
- *Tech Stack: HTML, CSS, JavaScript, Vue.js, Firebase*

Part of Speech Tagger

Jan 2023 – Apr 2023

- Built a Part of Speech Tagger from scratch using maximum likelihood estimation and hidden Markov models to understand the concepts behind common text preprocessing tools and libraries
- *Tech Stack: Python*

Credit Defaulter

Jan 2023 – Apr 2023

- Trained classification models on a credit card default dataset to predict if a client would default on their credit bills
- *Tech Stack: Python, scikit-learn, Tensorflow*

RobotInvasion

May 2022 – Aug 2022

- Developed a tower defense game using object-oriented design principles and rigorous game testing
- *Tech Stack: C#, Unity*

SKILLS

- **Languages:** Fluent in English and Chinese (Mandarin)
- **Programming Languages:** C#, Java, JavaScript, CSS, HTML, Python, SQL, MATLAB, R
- **Software Frameworks:** Django, Vue.js, Vuetify, Tensorflow, scikit-learn, Unity
- **Software Applications:** MongoDB, Firebase, Tableau, Microsoft Office, MySQL, RStudio

LEADERSHIP / CO-CURRICULAR ACTIVITIES

NUS Community Service Club, Grant A Wish XIX

Feb 2022 – Aug 2022

Logistics and Marketing Assistant

- Recruited volunteers to donate gifts and grant the wishes of 60 less privileged children
- Procured sponsorships from 16 companies to obtain products for event goodie bags