Valary Lim

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EDUCATION

NATIONAL UNIVERSITY OF SINGAPORE
BSc. in Business Analytics with Economics
School of Computing
NUS Global Merit Scholarship
University Scholars Programme
GPA: 4.71/5.0
Expected: May 2022

RAFFLES INSTITUTION
6 Distinctions, AAA/A
Grad: Dec 2017

COURSEWORK

COMPLETED
Introduction to Business Analytics
Data Management and Visualisation
Programming Methodology I II
(Teaching Assistant)
Introduction to Economics
Linear Algebra
Quantitative Reasoning

READING
Data Structures and Algorithms
Decision Making Methods and Tools

SKILLS

SOFTWARE
Tableau• MATLAB • SAS EG

LANGUAGES/FRAMEWORKS
Python • R • Java • mySQL •
Javascript • HTML • CSS •
React-Native

TOOLS
Version Control (Git)

MICROSOFT OFFICE
PowerBI • Excel• Word • Powerpoint

AWARDS
2019: Top 10/144 in BT2102 Data Management and Visualisation
2018: Top 10/594 in CS1010S Programming Methodology I
2017: National Edusave Award for Achievement, Good Leadership and Service

EXPERIENCE

NUS SCHOOL OF COMPUTING
Teaching Assistant | CS1010S: Programming Methodology I
Aug 2019 - Present
- Teaching Assistant for **CS1010S: Programming Methodology I**
- Conduct tutorial sessions for about 25 students, grade assignments and provide consultations.

INLAND REVENUE AUTHORITY OF SINGAPORE
Business Analyst | Corporate Strategy and Insights Division
May 2019 - Aug 2019
- Built a deep learning text classifier application using Tensorflow, Keras and R Shiny to categorise emails and direct them to relevant tax officers
- Researched, tested and evaluated various automated machine learning softwares (DataRobot, H2O Driverless AI, etc.) for adoption
- Performed python package evaluation for auto machine learning packages auto-sklearn and TPOT and feature engineering package Featuretools
- Built a web scraper and web driver to retrieve the SVY21 coordinates of shopping malls on Python

Business Analyst | Data Analytics Research Team (DART)
Dec 2018
- Performed hedonic regression analysis in R to predict the property valuations of shopping malls in Singapore
- Optimised performance checking for department managers by creating intuitive and interactive dashboards on PowerBI for various teams

PROJECTS

ALPACASH | https://github.com/ValaryLim/Alpacash
May 2019 - Aug 2019
- Developed Alpacash, a gamified financial tracker using react-native and firebase that entices individuals to continuously record their expenses and save
- Contributed over 23000 lines of code for the budget, statistics and settings segments and reviewed pull requests made by teammate

EXTRA-CURRICULAR

NUS FINTECH SOCIETY | Machine Learning Team
Feb 2019 - Present
- Attend weekly meetings, workshops and talks to enhance existing knowledge and skills on machine learning
- Work on machine learning projects with datasets from Kaggle

USC FRESHMEN ORIENTATION PROGRAMME | Finance Director
Dec 2018 – Sep 2019
- Heading a team to oversee budgeting and expenditure in all 5 events under USC's Freshmen Orientation Programme
- Liaising with USP and NUS Administrative Staff and event directors to set appropriate budgets for each event
- Streamlining the financial process by automating and syncing Excel Spreadsheets to minimise manual input