BIN XUAN KONG

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Skills

Technical	Machine Learning, Deep Learning, Computer Vision, Natural Language Processing, Data Visualization, Software Engineering
Programming	Python, Java, C#, SQL, Prolog, MATLAB, LaTeX
Tools	NumPy, Pandas, SciKit, Beautiful Soup, PyTorch, Tableau
Soft	Problem Solving, Time Management, Teamwork, Adaptability, Creativity

Work Experience

The Center of Applied Data Science (CADS) — Mar 2020 - Present
Data Science Specialist — *Kuala Lumpur, Malaysia*

· Build pipeline to migrate data from several different databases into a clean integrated database to allow the ease of analysis
· Create regression models to predict probability of closing opportunities on Salesforce
· Build recommendation models for jobs, learning paths and skills to users, and deploy them as API using Flask
· Perform web scraping and text mining on job posting websites to get current skill trends for various jobs
· Work as Technical Assistant to provide assistance and consultation to clients on upskilling data literacy skills

Maxis — Jul 2017 - Aug 2017
Business Intelligence Intern — *Kuala Lumpur, Malaysia*

· Extracted and managed data in the database using Oracle SQL
· Created reports based on customer requirements using Qlik Sense
· Analysed and compared the back-end data with business data

Education

Imperial College London — Sep 2018 - Sep 2019
MSc Advanced Computing — *Result: Distinction*

University of Manchester — Sep 2015 - Jun 2018
BSc(Hons) Computer Science and Mathematics — *Classification: First Class*

Taylor's College Subang Jaya — Jan 2014 - Jun 2015
Cambridge International A Level — *Chemistry (A*), Physics (A*), Mathematics (A*)*

Projects

Deep Image Reconstruction from Brain Activity — Apr 2019 - Sep 2019

· Functional magnetic resonance imaging (fMRI) and electroencephalogram (EEG) used to record people's brain activity of subjects viewing different images
· Developed novel approach of using a dual generative adversarial network (DualGan) to generate images from recorded brain activity
· Implemented the current state-of-the-art method of reversing a pre-trained convolutional neural network (CNN) to investigate results on own dataset

Poetry Generation using Deep Learning — Sep 2017 - Apr 2018

· Program to generate poems using recurrent neural network and gated recurrent units
· Distinct poems can be generated based on a user-supplied topic or image
· Built with Python, in particular Theano and TensorFlow to implement the neural networks, and external APIs

EventLite — Feb 2017 - May 2017

· Web application to create, list, search and manage events that are going on in Manchester
· Has two main roles, event seekers for those looking for events and event managers for those who create events
· Created by a team of six using Spring frameworks and external APIs

Stendhal Game Sep 2016 - Dec 2016
- Stendhal is a multi-player online adventure open source game
- Tested, debugged, built, developed and deployed a multi-user, multi-threaded, client-server open source game
- Automation of builds and tests done using Eclipse, Git, Apache Ant, Jenkins, JUnit and SonarQube

Study Buddy Feb 2016 - Apr 2016
- Web application to assist users in studying and help them be aware of procrastination
- Users can input quizzes, which would pop-up periodically for them to complete
- Created by a team of six using HTML, CSS, PHP, MySQL and JavaScript

External Curriculum

International Council of Malaysians Scholars and Associates (ICMS) Nov 2016 - Mar 2018
Secretarial Associate *International*
- ICMS is a non-profit professional network of driven and passionate individuals designed to operate like a multinational organization that provides opportunity to experience working in a multi-national company
- Developed transferable skills through internal programs and by managing projects
- Rebranded website and assisted in server migration
- Provided assistance in workshops to teach associates coding

Enactus Manchester - SPOT Finance Nov 2016 - Jun 2017
Project Member *Manchester*
- SPOT Finance runs workshops on a variety of financial aspects for students in secondary school around Manchester
- Worked in a team to create the content of lessons which covered topics such as budgeting, saving and interest
- Improved interpersonal skills such as leadership, communication and decision making

Manchester Malaysian Night 2017 Oct 2016 - Mar 2017
Lighting Director *Manchester*
- Manchester Malaysian Night is an annual flagship event organised by the Malaysian Students Society of Manchester (MSSM) with the purpose of promoting the unique and diverse culture of Malaysia
- Created the light plot for the play and ensured that each light cue is triggered at the correct timing
- Enhanced creativity and communication skills as well as ability to follow technical and design instructions

Malaysian Student's Technology Conference Jun 2016 - Aug 2016
Sponsorship Ambassador *Kuala Lumpur, Malaysia*
- Malaysian Students' Technology Conference is the first ever student-led technology conference in Malaysia, organised under Malaysian Students Society of Manchester (MSSM) in partnership with TalentCorp Malaysia
- Assisted the sponsorship director to seek potential sponsors who might be interested in collaborating
- Escorted sponsors and guests to the venue and liaised with the sponsors on the day of the conference
- Strengthened written and verbal communication skills and organisational skills

Awards and Achievements

Certificate of Excellence Jun 2018
Awarded to the top 10% of graduating students in the School of Computer Science

International Excellence Undergraduate Scholarship Dec 2015
Awarded based on outstanding academic performance by the University of Manchester

References available on request