

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) <i>Data Science Specialist</i>	Mar 2020 - Present <i>Kuala Lumpur, Malaysia</i>
<ul style="list-style-type: none">· 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 <i>Business Intelligence Intern</i>	Jul 2017 - Aug 2017 <i>Kuala Lumpur, Malaysia</i>
<ul style="list-style-type: none">· 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 <i>MSc Advanced Computing</i>	Sep 2018 - Sep 2019 <i>Result: Distinction</i>
University of Manchester <i>BSc(Hons) Computer Science and Mathematics</i>	Sep 2015 - Jun 2018 <i>Classification: First Class</i>
Taylor's College Subang Jaya <i>Cambridge International A Level</i>	Jan 2014 - Jun 2015 <i>Chemistry (A*), Physics (A*), Mathematics (A*)</i>

Projects

Deep Image Reconstruction from Brain Activity	Apr 2019 - Sep 2019
<ul style="list-style-type: none">· 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
<ul style="list-style-type: none">· 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
<ul style="list-style-type: none">· 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