

# BIN XUAN KONG

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## Skills

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

## Work Experience

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<b>Naluri</b> <i>Data Scientist</i>	Jun 2022 - Present Kuala Lumpur, Malaysia
<ul style="list-style-type: none"><li>· Create user segmentation model based on user activity</li><li>· Build recommendation models coaches on best CTA for users based on segmentation and activity pattern</li><li>· Perform analysis on user health data and predict probability of users achieving a better health outcome</li><li>· Manage ETL pipeline using DBT and Prefect to build analytical models to surface on Redshift</li><li>· Create and manage dashboards on Metabase</li><li>· Maintain existing EC2 and ECS services on AWS</li></ul>	
<b>The Center of Applied Data Science (CADS)</b> <i>Data Science Specialist</i>	Mar 2020 - Jun 2022 Kuala Lumpur, Malaysia
<ul style="list-style-type: none"><li>· Build pipeline to migrate data from several different databases into a clean integrated database to allow the ease of analysis</li><li>· Create regression models to predict probability of closing opportunities on Salesforce</li><li>· Build recommendation models for jobs, learning paths and skills to users, and deploy them as API using Flask</li><li>· Perform web scraping and text mining on job posting websites to get current skill trends for various jobs</li><li>· Work as Technical Assistant to provide assistance and consultation to clients on upskilling data literacy skills</li></ul>	
<b>Maxis</b> <i>Business Intelligence Intern</i>	Jul 2017 - Aug 2017 Kuala Lumpur, Malaysia
<ul style="list-style-type: none"><li>· Extracted and managed data in the database using Oracle SQL</li><li>· Created reports based on customer requirements using Qlik Sense</li><li>· Analysed and compared the back-end data with business data</li></ul>	

## Education

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<b>Imperial College London</b> <i>MSc Advanced Computing</i>	Sep 2018 - Sep 2019 Result: Distinction
<b>University of Manchester</b> <i>BSc(Hons) Computer Science and Mathematics</i>	Sep 2015 - Jun 2018 Classification: First Class
<b>Taylor's College Subang Jaya</b> <i>Cambridge International A Level</i>	Jan 2014 - Jun 2015 Chemistry (A*), Physics (A*), Mathematics (A*)

## Projects

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<b>Deep Image Reconstruction from Brain Activity</b>	Apr 2019 - Sep 2019
<ul style="list-style-type: none"><li>· Functional magnetic resonance imaging (fMRI) and electroencephalogram (EEG) used to record people's brain activity of subjects viewing different images</li><li>· Developed novel approach of using a dual generative adversarial network (DualGan) to generate images from recorded brain activity</li><li>· Implemented the current state-of-the-art method of reversing a pre-trained convolutional neural network (CNN) to investigate results on own dataset</li></ul>	
<b>Poetry Generation using Deep Learning</b>	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**

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#### **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

#### **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**

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#### **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**