

BIN XUAN KONG

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Technical Skills

Intermediate	Java, C, Python, PostgreSQL, Prolog, MATLAB, LaTeX
Basic	C, PHP, MySQL, JavaScript, jQuery

Education

Imperial College London <i>MSc Advanced Computing</i>	Sep 2018 - Present
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Relevant modules: Deep Learning, Probabilistic Inference, Natural Language Processing, Computational Finance, Computational Optimisation, Reinforcement Learning, Computer Vision, Prolog

University of Manchester <i>BSc(Hons) Computer Science and Mathematics</i>	Sep 2015 - Jun 2018 <i>Classification: First Class</i>
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Relevant modules: Machine Learning and Optimisation (83), Software Engineering (82), Symbolic AI (78), Advanced Algorithms (91), Cryptography & Network Security (77), Matrix Analysis (92), Convex Optimisation (82), Mathematical Modelling in Finance (80)

Taylor's College Subang Jaya	Jan 2014 - Jun 2015
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Cambridge International A Level: Chemistry (95), Physics (94), Mathematics (94)

SAT Subject Test: Physics (720), Mathematics Level 2 (800)

Work Experience

Maxis <i>Business Intelligence Intern</i>	Jul 2017 - Aug 2017 <i>Kuala Lumpur, Malaysia</i>
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- Maxis is the leading communications service provider in Malaysia, providing a variety of communication products, applications and value added services for consumers, large enterprises and business owners
- 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

Projects

Deep Image Reconstruction from Brain Activity	Apr 2019 - Present
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- Brain activities functional magnetic resonance imaging (fMRI) and electroencephalogram (EEG) used to record people's brain activity when subject viewing different images
- Develop deep learning framework to generate images from the recorded brain activity

Poetry Generation using Deep Learning	Sep 2017 - Apr 2018
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- 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
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- 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
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- 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
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- 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

Additional Interests

- Music Director in Manchester Malaysian Night 2016
- Volunteer for Manchester Malaysian Games 2016
- Instructor for Concurrent Aerobic 1Murid 1Sukan 1Malaysia
- Grade 6 Piano in Yamaha - Merit
- Fluent in English and Chinese
- Basic conversational level in Malay and Cantonese

References available on request