Chenhao Wu

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Language: Fluent in English and Mandarin.

Visa: Spouse visa (work permit)

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S1 4DP, UK

TECHNOLOGIES:

Python, Bash, CircleCI, Linux, Vim, Django, Elasticsearch, LaTex, C, NLP, Speech Recognition, Robotics, AWS, Kubernetes, Machine Learning, MongoDB, JSON, MySQL, TTD, SEO, Flask, Js.

WORK EXPERIENCE:

Nov. 2019 -Now **Data Engineer,** LandTech, London, UK
In Data Quality and DevOps team to maintain SaaS products for property site sourcing.
Technologies: Python, AWS, CircleCI, GraphQL, Elasticsearch, MongoDB and PostgreSQL, Js.

Sep. 2019 -Now **Facilitator and Demonstrator for Text Processing**, University of Sheffield, UK.
Hold tutorial sessions for NLP coding questions, update materials, marking assessments.
Technologies: Python, NLP, Text-processing, statistical modeling, Machine learning.

Aug 2018- Mar. 2019 **Lead Python Instructor and Curriculum Developer,** Code First:Girls, London, UK**.**
Training BT graduates on coding & business projects, designing all teaching materials (2 books).
Technologies: Python, TTD, Flask, SQLite, Text-processing, JavaScript.

Jan. 2018- Mar. 2019 **Data Scientist,** Approved Group, Sheffield, UK.
Using Python to build a customer order prediction and reporting system from scratch.
Technologies: Python, BDD, software/feature development, Machine Learning, Statistical Modeling.

July 2017 -Now **AI and CS Tutor for Mawhiba-Oxmedica Programme**, King Saud University, SAU.
Designed & delivered AI course to top 1% of 14-17 year old students in Saudi Arabia.
Technologies: Python, C, Robotics, Arduino, Machine Learning, Statistical Modeling.

Sep. 2017 -Now **Teaching Assistant for Introduction to Machines and Intelligence**, Sheffield, UK.
Lab demonstrator and assisting students to learn about AI and how to programme robots.

Sep. 2013 -Now **Postgraduate Researcher**, Department of Computer Science, Uni of Sheffield, UK.
Applying Transfer Learning and Active Learning to Automatic Speech Recognition.

Sep. 2016 -2018 **Teaching Assistant for Machine Learning and Adaptive Intelligence**, Sheffield, UK.
Marking weekly assignments for the machine learning courses.

Feb 2016 -May 2018 **Project Manager for Software Hut**, University of Sheffield & epiGenesys, UK.
Manager for four groups of students for their real life client software projects.

January- June 2018 **Research-based Curriculum Designer,** The Brilliant Club, UK.
Designed 6 GCSE lessons about CS, which will be available for many British schools.

April-May 2010 **Cambridge and MIT Sloan Enterprisers for ESRC funded students**, Stirling, UK.
Group Leader; High Frequency Trading Intern.

EDUCATION:

2013 – 2020   University of Sheffield – (Part-time) PhD in Computer Science.
Dissertation: Automatic Speech Recognition with Active Learning.

2012 – 2013   University of Sheffield – Distinction MSc (Hons) in Advanced Computer Science.
Dissertation: Dealing with Transcription Errors: Active Learning.

2009 – 2010   University of Edinburgh – Postgraduate Diploma in Linguistics.
Dissertation: Sentiment Analysis for Hotel Reviews

2006 – 2009   University of Central Lancashire – 2:1 BEng (Hons) in Electronic Engineering.
Dissertation: Using LPC method to implement Speech Synthesis on Matlab.

SKILLS:

Communication
I have developed strong written and verbal communication skills through undertaking my degree courses, delivering presentations and as an active staff member in different University societies and various volunteer jobs, which included being the host for a Pint of Science event in Sheffield and project demonstrator for the Big Bang Young Scientists and Engineers Fair in Birmingham.

Team working
I have worked as a team behavior observer to observe and guide students to learn team working skills. For courses I designed or was involved with, I added sessions which encouraged teamwork. I also love being in a team, as a team player I like to build connections with my research group members and tutor group members in my workplace.

Project Management
For an AI & CS tutor job from a UK company Oxmedica, I needed to design the whole course material and teach the top 1% of students as selected via a national public school exam in Saudi Arabia, with 1.5 weeks preparation time, including the visa application. Within this limited time I completed the course plan and 1st 3 lessons' presentations while in UK. After arriving in Saudi, adapting to new weather, working environment and equipments, I worked with local teaching assistants and tutors and designed and updated 12 more lessons over 2 weeks. With my love to explore and my positive nature, I completed all tasks, receiving more than 100 examples of positive feedback and received the best tutor award. I still keep in contact with the tutors and students occasionally send me emails to update me on their progress.

Personal Effectiveness
I have travelled 30 countries 260 cities over 4 continents, completed degrees in three different disciplines and study in a foreign country, which I have now made my home. These experiences show that I am good at adapting my own skills to new environments and circumstances.

Other Areas of Interest
Fintech, Augmented Reality, OCR, Computer Vision, Face Recognition, OpenCV, Image Processing, Medical Machine Learning and AI applications, Phone/Web App development, Smart Home AI Applications.