Waylon Li

+44 7835771280 | s1891340@ed.ac.uk | waylonli.com | github.com/waylonli

TECHNICAL SKILLS

Programming Languages: Python, Java, C/C++
Big Data Related: Hadoop, MapReduce, Spark
Developer Tools: Git, VS Code, Visual Studio, PyCharm, IntelliJ
Libraries: PyTorch, NLTK, Pandas, NumPy, Matplotlib
Operating System: Linux, Mac OS, Windows

EDUCATION

University of Edinburgh (On track of first honour) — Edinburgh, United Kingdom
Bachelor of Science in Artificial Intelligence, School of Informatics — *Aug. 2018 – Present*

South China University of Technology — Canton, China
Bachelor of Science in Applied Mathematics, School of Mathematics — *Aug. 2016 – July 2018*

PROJECTS

Discriminative Training of LPCFGs | *Python (Pytorch, NLTK)* — June 2020 – Present
- Supervisor: Shay Cohen
- Turning the spectral learning algorithm of syntactic parsing to a neural like model
- Applying the tensor form of inside-outside algorithm to build a constituent parser

EXPERIENCE

Course Tutor and Lab Demonstrator — Sep. 2020 – Present
University of Edinburgh — *Edinburgh, United Kingdom*
- Tutoring and demonstrating the course Applied Introductory to Machine Learning
- Supporting undergraduates and postgraduates who are taking this course on better understading the knowledge and sharing my experience in machine learning study
- Giving feedback to the professors and helping them better organise the course

System Engineer Internship — July 2019 – Sep. 2019
International Business Machines Corporation (IBM) — *Canton, China*
- GF Bank Z14 mainframe upgrade project: helped with wiring installation and switching the Hardware Mangement Console (HMC)
- Chaozhou Sanhuan IT Consultation: attended the first meeting with Chaozhou Sanhuan as a member of the consultation team
- Canton Mobile Server Room Maintenance: helped maintain the server models including Power 780, S814 servers, DS 8870, 8880 storages

Data Platform Engineer — May 2019 – July 2019
China Unicom — *Canton, China*
- Managed the daily maintenance of the big data platform and helped with the security upgrade project
- Participated in the internal Spark computing framework training

MAIN COURSES

NLP Courses: Foundation of Natural Language Processing (Mark: A2, Coursework: A1), Processing Formal and Natural Languages (Mark: A3, Coursework: A1), Natural Language Understanding, Generation, and Machine Translation (Taking next semester)
Machine Learning: Introductory Applied Machine Learning (Mark: A2, Exam: A1), Machine Learning and Pattern Recognition (Taking)
Mathematics: Discrete Mathematics and Mathematical Reasoning (Mark: A3), Probability with Application (Mark: A3)
Others: Algorithms and Data Structures (Mark: A3), Introduction to Vision and Robotics (Mark: A3, Coursework: A1)

HOBBIES

Coding, Guitar, Singing, Basketball