

# Waylon Li

078-3577-1280 | [s1891340@ed.ac.uk](mailto:s1891340@ed.ac.uk)

Objectives: Tutor of IAML

Personal Webpage: <https://www.waylonli.com>



## SKILLS LIST

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Programming languages: Java (skilled), Python (basic), C++ (basic)

Backend development:

- Big Data Related: Hadoop (basic), MapReduce (basic), Spark (basic)
- Version Management, Documentation, and Automated Deployment Tools: Git (skilled)
- Operating system: Linux, Mac OS

## INTERNSHIP EXPERIENCE

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### International Business Machines Corporation (IBM)

**Jul 2019 - Sep 2019**

*Information System Engineer, GTS-TSS*

*Canton, China*

- Participating in the project: GFB Bank z14 mainframe upgrade, Chaozhou Sanhuan IT planning negotiation, Guangdong Mobile computer room maintenance, Guangdong Provincial Taxation Bureau computer room maintenance
- Some project experience:
  1. GF Bank z14 mainframe upgrade
    - Participation: Wiring, Hardware Management Console (HMC) switching
    - Description: Participate in connecting fibers of mainframe to switches; participate in HMC rack installation and switching the old HMC to the new one
    - What I learned: I have learned about the mainframe upgrade project process, the mainframe structure, and the machine room connection sequence
  2. Chaozhou Sanhuan IT Planning Consultation
    - Participation in work: IBM and Chaozhou Sanhuan initial meeting on IT planning negotiations
    - Description: Recording meetings and organising customer issues
    - What I learned: Understand the main content of IT planning, customer concerns
  3. Guangdong Mobile Shunde Engine Room Maintenance
    - Maintenance models: Power 780, S814 servers, DS 8870, 8880 storages
    - Description: Health check, hard disk replacement, FSP card power replacement

### China Unicom Guangdong Branch

**May 2019 - Jul 2019**

*Big Data Platform Operation and Maintenance Engineer, Informatics Dept.*

*Canton, China*

- Participating in the project: Security upgrade of big data platform, daily maintenance of big data platform
- Some project experience:
  1. Big Data Platform Security Upgrade
    - Participating: assigning customer user permissions
    - What I learned: Got familiar with Linux command line operations, learned HDFS distributed file system knowledge, learned Hadoop deployment, participated in internal Spark computing framework training

## EDUCATION

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### University of Edinburgh

**Sep 2018 - Jun 2021**

BSc, Artificial Intelligence, School of Informatics

Edinburgh, United Kingdom

### South China University of Technology

**Sep 2016 - Jul 2018**

BSc, Applied Mathematics, School of Mathematics

Guangzhou, Guangzhou

## Courses

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Taken:

- Mathematics (some are learned in China): Linear Algebra, Mathematics Analysis, Abstract Algebra, Ordinary Differential Equation, Discrete Mathematics and Mathematical Reasoning (Mark: A), Probability with Application (Mark: A)
- Computing: Foundation of Natural Language Processing (Mark: A2, Coursework A1), Processing Formal and Natural Languages (Mark: A, coursework A1), Introductory Applied Machine Learning (Mark: A2), Introduction to Vision and Robotics (Mark: A, Coursework A1), Algorithms Data Structures Learning (Coursework A2), Introduction to Computer Systems (Coursework A2), Reasoning and Agents (Coursework A2), Algorithms and Data Structures (Mark: A3, Coursework A2), Software Testing (Mark: A1, Coursework A1)

## HOBBIES

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- Activities: Coding, Singing, Basketball