

FAN LI

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TECHNICAL PROFILE

- **Programming Language:** Java, Python, JavaScript and C.
- **Web Development:** Django, Bootstrap, J2EE SSH, JavaScript, CSS and HTML5.
- **Machine Learning, Data Mining and Analysis:** Python, R, Weka and Rapid minder.
- **Data Visualisation:** D3.js and Tableau.
- **Databases:** MySQL, Oracle, SQL Server, MySQLWorkbench and Navicat.
- **Testing:** Category-Partition Method, Junit, EclEmma.
- **Tools and System:** Subline Text, Jupyter Notebook, Eclipse, Pycharm, MacOS and Linux.

EDUCATION

2017 - 2018 Master of Science in Computer Science, specializing in Data Science

University College Dublin (Ireland)

Modules included:

Advanced Machine Learning

Data Mining

Information Visualisation

Text Analytics

Human Language Technologies

Big Data Programming

Connectionist Computing

Recommender Systems & Collective Intelligence

2013 - 2016 Bachelor of Engineering in Software Engineering

Zhejiang Normal University, Zhejiang (China)

Graduated with a GPA of 3.57/4

Modules included:

Software Engineering Design

Java Development

Operating Systems

Object-Oriented Analysis and Design

Data Structure and Algorithm

Relational Database Applications

ASP.NET Development

Networks in Organizations

WORK EXPERIENCE

Feb 2017 - May 2017, AI Digger, AI Product & Design Intern, Zhejiang, China

- Responsible for the data collection and analysis of different application scenarios, providing support for data mining and machine learning.
- Cooperate with product manager to update prototype of products.
- Assist other developers in the development of front-end and back-end modules using HTML, Bootstrap and Java.

Oct 2016 - Jan 2017, China Unicom (National Telecommunication Corporation), Software Engineering Internship, Zhejiang, China

- Responsible for requirements analysis and design, coding in Java and testing cases design.
- Internal system development project planning and research, including business needs research, feasibility analysis, project reporting.
- Provide solutions for individual requirements of group customers and worked on developing industry application systems in Java.

Sept 2016 - Jan 2017, Zhejiang Normal University, Course Assistant (Advanced JavaEE Programming), Zhejiang, China

- Writing solutions to problem sets and exams, grading problem sets and exams; returning graded problem sets and exams in a timely manner.
- Assisting in the preparation of lecture materials.
- Answer questions for students in Lab session.

Aug 2015 - Aug 2016, University of Wollongong, China Scholarship Council (CSC) - Visiting Scholar Program, Wollongong, Australia

- Case study to analyze software engineering requirements and developed appropriate formal specifications using Z notation and Petri Net.
- Experiments on metamorphic testing according to the research “On the Correlation between the Effectiveness of Metamorphic Relations and Dissimilarities of Test Case Executions” by Dr. Zhiqian Zhou.

PROJECTS

Design and implementation of an e-learning platform based on Django framework

Bachelor Dissertation, Fall 2017

- Implemented a Web-based learning platform for department use, completed by using Python and Django framework, also used HTML5, Bootstrap and so on.

Software Engineer Bonus Management System

Company of NTT Data (China), Fall 2016

- Implemented a bonus management system using Java, which won the national three prize in the China Students Service Outsourcing Innovation & Entrepreneurship Competition.

Zhejiang Normal University Student Dormitory System

Zhejiang Normal University, Fall 2016

- A student dormitory management system implemented using Java technologies, Bootstrap and MySQL database.

KEY COMPETENCES

- **Team Working & Communication Skills:** Developed on part of my experience at AI Digger and China Unicom working in an agile development environment. Daily meeting and communicated effectively with colleagues on project analytics and design.
- **Initiative:** Self-regulated learning on Coursera, edX and Stanford Online Course about Deep Learning, Convolutional Neural Networks for Computer Vision and Neural Network Methods for NLP.

HONORS

- **Visiting Scholar Scholarship**, China Scholarship Council (CSC) and University of Wollongong (Australia), 2015-2016
- **Awarded Excellent Graduate**, Zhejiang Normal University, July 2017
- **Awarded Principal Special Scholarship**, Zhejiang Normal University, July 2017
- **Awarded National Three Prize**, China Students Service Outsourcing Innovation & Entrepreneurship Competition, Nov 2016
- **Awarded Academic Scholarship**, Zhejiang Normal University, Oct 2016
- **Awarded Enterprise Scholarship**, Ruida Education, Oct 2016
- **Awarded Academic Scholarship**, Zhejiang Normal University, Oct 2015
- **Awarded Academic Scholarship**, Zhejiang Normal University, Oct 2014