

Wei Shi

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Education

UoM (University of Manchester)

Sep. 2017 - Dec. 2018

M.Sc. IN COMPUTER SCIENCE (SOFTWARE ENGINEERING)

Manchester

- Research field: IoT (Internet of Things), especially WoT (Web of Things), Fog computing and data performance optimization; SOA and CBSD (Component-based Software Development), especially service/component composition mechanism.

ECUPL (East China University of Political Science and Law)

Sep. 2012 - Jun. 2016

B.ENG. IN COMPUTER SCIENCE (INTERNET AND INFORMATION SECURITY)

Shanghai

- Research field: Information Security, especially Computer Forensics, Electronic Evidence and Data Recovery.
- As the organiser, organized Cyber Security Society.
- Awarded Shanghai Excellent College Student in innovative programmes.
- Awarded Academic Scholarship of Scientific Research in the school year 2013-2014.

ECUPL (East China University of Political Science and Law)

Sep. 2012 - Jun. 2016

B.A. IN LAW

Shanghai

- Mastered a systematic view of the civil law system.

Professional Skills

Key Skills	Self-Motivation Leadership Teamwork Problem Solving Critical Thinking
Programming	Java JavaScript Node.js C# Objective-C Python SQL XQuery SPARQL LaTeX
Java	JVM ClassLoader Mechanism Garbage Collection Java Memory Model Non-blocking I/O
Development	OOP Design Patterns Git Continuous Integration Agile Development TDD Scrum
Web	HTML CSS BootStrap AJAX XML XML schema JSON RDF Gulp npm Jasmine
Backend	Spring Boot Node.js ASP.NET MVC Python Flask MySQL .NET Entity Framework (ORM) Redis
Architecture	Distributed Systems RPC Message Queues SOA Distributed Transactions Architecture Patterns
Security	Penetration Testing Web Security XSS SQL Injection Computer Forensics Data Recovery
Others	RESTful API Linux Shell Docker UI Automation Testing Performance Testing Anti-GFW

Work Experience

Intern, Research Associate

Sep. 2018 - Mar. 2019

THE UNIVERSITY OF MANCHESTER

Manchester

- Mainly focused on the models of mainstream Web of Things platforms, especially the underlying composition mechanism and their data performance.

Full-time, Software Engineer (Data collection team)

Jun. 2016 - Jul. 2017

GRIDSUM HOLDING INC.

Shanghai

- Contributed to the development of data-collection tools for various Gridsum products within different platforms, including Web-based pages (JavaScript), TV set-top boxes (vanilla JavaScript, Java), iOS apps (Objective-C), and Android apps (Java).
- As a CI system (TeamCity) admin, took part in managing and maintaining the Gridsum CI system.

Startup, Co-founder & Lead Software Engineer

Mar. 2014 - May 2016

SHANGHAI MORUN CULTURE TRANSMISSION CO., LTD.

Shanghai

- Organized the whole life cycle of the development of software products and maintained IT infrastructure.

Intern, Computer Forensics Engineer

Dec. 2013 - Jun. 2014

JUDICIAL EXPERTISE CENTRE IN EAST CHINA UNIVERSITY OF POLITICAL SCIENCE AND LAW

Shanghai

- Fixed, extracted, and analysed electric evidence on different platforms (Windows, Linux, and iOS), in accordance with regulations of computer judicial expertise and the principles of software systems.

Intern, Penetration Test Engineer

Jul. 2013 - Dec. 2013

SHANGHAI LEVSON INTERNET TECHNOLOGY CO., LTD.

Shanghai

- Assessed and reinforced the network and application security of clients.
- Made penetration test and code audit for applications (white box testing).
- Made safe training for clients and provided solutions when emergencies.

Project Experience

Gridsum Web Dissector / Mobile Dissector/ TV Dissector/ Video Dissector

JavaScript, Objective-C, Java

GRIDSUM HOLDING INC.

Jun. 2016 - Jul. 2017

- Contributed to the development of data-collection tool for a Web analytics product (Web Dissector) and mobile app analytics product (Mobile Dissector).
- Iterated and improved the video-watching analytics products, based on TV (TV Dissector) and video mobile apps (Video Dissector).

Realtime Photo-Sharing System

ASP.NET MVC

SHANGHAI MORUN CULTURE TRANSMISSION CO., LTD.

Aug. 2015 - May. 2016

- Led the design and implementation of this technological product, mainly based on HTML5 + Bootstrap + AngularJS + ASP.NET MVC 5 + Entity Framework 6 (ORM) + Microsoft SQL Server, running on the Alibaba Cloud.

WeChat Public Platform Service “ECUPL Teaching Affairs”

ASP.NET Web RESTful API

EAST CHINA UNIVERSITY OF POLITICAL SCIENCE AND LAW

Aug. 2015 - Dec. 2015

- Delivered a system which integrates with current teaching administration system, the Moodle system, and the teaching affairs system into a WeChat-based service via ASP.NET Web RESTful API.

WeChat Public Platform Service Development

ASP.NET MVC

SHANGHAI PENGBEI INTERNET TECHNOLOGY CO., LTD.

Jun. 2015 - Aug. 2015

- Took charge of the development of a food-delivered system based on the WeChat Public Platform.

Teaching Management Information Inquiry System

WPF (MVVM)

EAST CHINA UNIVERSITY OF POLITICAL SCIENCE AND LAW

Apr. 2015 - Jul. 2015

- Directed and achieved a client-server system used for touch-screen machines, based on Microsoft WPF (MVVM Framework).

Email Authenticity Identification System

WPF (MVVM)

PANSAFE SOFTWARE (SHANGHAI) CO., LTD.

Sep. 2014 - Jan. 2015

- Researched validation rules in accordance with Request for Comments (RFCs) and developed the system which identifies the authenticity of emails based on Naive Bayesian.

Honors & Awards

2015	Certification , Certificate of Advanced Computer Programmer (Java EE)	Beijing
2015	Competition , 3 rd Prize National Contest of Obtaining Evidence from Electronic Data	Shenyang
2014	Competition , 3 rd Prize in National Contest of College Student Information Security	Wuhan
2013	Competition , 3 rd Prize in “Fish-catch Cup” Internet Security Contest	Shanghai

Publication

A Forensics Method Based on User Behaviours on Windows Platform

Oct. 2014

PROCEEDINGS OF CONFERENCE ON COMPUTER FORENSICS

Beijing

- Focused on the issues of the detection and obtainment of electronic evidence in Windows-based crimes.

Volunteering

Student Representative

Oct. 2017 - Dec. 2018

THE UNIVERSITY OF MANCHESTER

Manchester

- As a Student Representative, drew views from students, negotiated with the school, and settled down workable solutions.

Technical Leader

Jun. 2017 - Present

THE UNIVERSITY OF MANCHESTER CHINA ALUMNI ASSOCIATION

Beijing

- As a Technical Leader, led the development of the official website of The University of Manchester China Alumni Association.