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/0
Development	OOP　Design Pattern　Git　Continuous Integration　Agile Development　TDD　Scrum
Web	HTML　CSS　BootStrap　AJAX　XML　XML schema　JSON　RDF　Gulp　npm
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

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**, 3nd Prize National Contest of Obtaining Evidence from Electronic Data		*Shenyang*
2014	**Competition**, 3nd Prize in National Contest of College Student Information Security		*Wuhan*
2013	**Competition**, 3st 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.