

施维

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教育背景

曼彻斯特大学 (University of Manchester)

2017.9 - 2018.12

软件工程（分布式系统）· 理学硕士

曼彻斯特 (Manchester)

- 研究领域1: 面向服务的架构 (SOA), 微服务架构 (Microservice Architecture) 远程过程调用 (RPC) 和基于组件的软件开发 (Component-based Software Development)
- 研究领域2: 物联网 (Internet of Things), WoT (Web of Things), 边缘计算 (Fog Computing), 分布式系统的数据性能优化 (Data Performance Optimization)

华东政法大学

2012.9 - 2016.6

计算机科学与技术（网络与信息安全）· 工学学士

上海

- 研究领域: 计算机取证 (Computer Forensics), 电子证据 (Electronic Evidence) 和数据恢复 (Data Recovery)
- 作为学生主要负责人, 管理并协调信息安全实验室的日常活动
- 个人进行主导的“虚拟犯罪现场痕迹提取系统”项目被评为上海市优秀大学生创新创业项目、第四届上海大学生创新创业论坛“技术创新应用奖”和第四届上海大学生创新创业论坛“大学生最喜欢的展示项目”
- 获得 2013-2014 学年华东政法大学学生学术科研奖学金

华东政法大学

2012.9 - 2016.6

法学学士（第二学位）

上海

- 对大陆法系有系统性的掌握

技术栈

Programming	Java JavaScript Node.js C# Objective-C Python SQL LaTeX
Java	Java 虚拟机 (JVM) 类加载机制 垃圾回收机制 Java 内存模型 (JMM)
Development	设计模式 架构模式 Git 持续集成 敏捷开发 测试驱动开发 Scrum
Web	HTML CSS Bootstrap AJAX XML XML schema JSON RDF Gulp npm
Backend	Spring Boot Node.js ASP.NET MVC MySQL .NET Entity Framework (ORM) Redis
Architecture	分布式系统 RPC 消息队列 SOA 微服务架构 RESTful API 分布式事务
Security	渗透测试 Web 安全 跨站脚本攻击 (XSS) SQL 注入 计算机取证 数据恢复
Others	Linux Shell Docker UI 自动化测试 渗透测试 Anti-GFW

工作经历

研究助理 (Research Associate) 实习

2018.9 - 2019.3

曼彻斯特大学 (THE UNIVERSITY OF MANCHESTER)

曼彻斯特

- 主要关注于主流 WoT 平台的模型, 特别是组件组成机制 (composition mechanism) 和对应的数据性能 (data performance)

全职软件工程师

2016.6 - 2017.7

[NASDAQ] 国双科技

上海

- 负责各平台下的数据采集工作 (横向组件), 包括基于 Web 的用户网页浏览行为数据采集 (JavaScript)、基于智能电视机顶盒或移动应用程序的用户观看行为数据采集 (JavaScript, Java)、基于 iOS 或 Android 应用程序的用户使用行为数据采集 (Objective-C, Java)
- 作为持续集成 (Continuous Integration) 系统管理员之一, 管理并维护国双持续集成系统 (TeamCity)

创业 (Startup), 创始人 & 技术合伙人

2014.3 - 2016.5

上海墨润文化传播有限公司

上海

- 作为技术总负责人, 领导公司内部技术产品和技术外包项目的研发工作
- 技术产品主要基于 HTML5 + Bootstrap + AngularJS + ASP.NET MVC 5 + Entity Framework 6 (ORM) + Microsoft SQL Server

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

RESTful Web Service

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”

RESTful Web Service

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

RESTful Web Service

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)

PANSAGE 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.