

Wenyun Dai

CONTACT INFORMATION

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EDUCATION

Pace University New York, United States

PhD in Computer Science, GPA 3.97/4.0, 2015 - 2018

- Topic: A Fine-Grained Data Access Permission Authorization Framework for Mobile Systems

Shanghai Jiao Tong University Shanghai, China

ME in Software Engineering, GPA 3.24/4.0, 2011 - 2014

- Thesis: Dynamic Resource Management in Clouds with Support for Federation

Xiamen University Xiamen, China

BE in Software Engineering, 2006 - 2010

WORKING EXPERIENCE & PROJECTS

Obie Technologies NY, Software Engineer & Web Development Manager 12/2017 - 11/2018

- Full stack implementation of Globie official website: www.globie.net
 - ★ Java Servlet — Backend
 - ★ Vertx-jOOQ — API
 - ★ JQuery — Frontend
 - ★ AWS Elastic Beanstalk — Deployment
- Full stack implementation of internal management platform
 - ★ Customer Service system including case tracking, case operating, logging, and API interaction with Globie backend
 - ★ Manager statistics system including payments, callplans, usage statistics in grid and chart
- Website development management
 - ★ Customer Service and Accounting department official website
 - ★ Wholesale platform official website

K12 Alerts NY, Software Engineer Intern

05/2016 - 08/2016

- Single Sign On System
 - ★ Microsoft Active Directory
- Management Website Rebuild
 - ★ ASP.NET MVC Razor
 - ★ C# and SQL Service
- Voice assist function in K12 Alerts Android app

Project Testing Management System, 803 Technology Institute, China

2013 - 2014

- Project manager and full stack developer - C# & .NET & Telerik

Traceable Project Management System, 615 Research Institute, China

2012 - 2013

- Project manager and full stack developer - C# & JQuery

Huahan ERP, Softek Computer Shanghai Ltd., China

2012 - 2013

- Back-end developer using NHibernate - C# & .NET

Data Loader over Ethernet Interface, 615 Research Institute, China

2011 - 2012

- AFDX communication protocol design and implementation - C

SELECTED PUBLICATIONS

Meikang Qiu, **Wenyun Dai**, Keke Gai. Mobile Applications Development with Android: Technologies and Algorithms. *CRC Press Book*.

Wenyun Dai, Meikang Qiu, Longbin Chen, Ana Wu. Who Moved My Data? Privacy Protection in Smartphones. *IEEE Communication Magazine*, 2017.

Wenyun Dai, Ana Wu, Meikang Qiu. Cloud Infrastructure Resource Allocation for Big Data Applications. *IEEE Transactions on Big Data*, 2016.

Wenyun Dai, Zhong Ming, Meikang Qiu. Privacy Protection for Preventing Data Over-Collection in Smart City. *IEEE Transactions on Computers*, 2015. (Highly cited paper by Web of Science)

Meikang Qiu, **Wenyun Dai**, Athanasios Vasilakos. Loop Parallelism Maximization for Multimedia DSP in Mobile Vehicular Clouds. *IEEE Transactions on Cloud Computing*, 2016.

Min Chen, **Wenyun Dai**, Meikang Qiu. Energy Optimization with Dynamic Task Scheduling Mobile Cloud Computing. *IEEE Systems Journal*, 2015.

Wenyun Dai, Meikang Qiu, Longbin Chen, Ana Wu. DASS: A Web-based Fine-Grained Data Access System for Smartphones. *IEEE SmartCloud 2017*. (Best student paper)

Meikang Qiu, Yunjiang Jiang, **Wenyun Dai**. Cost Minimization for Heterogeneous Systems with Gaussian Distribution Execution Time. *IEEE HPCC 2015*. (Best paper nomination)

Wenyun Dai, Haopeng Chen, Wenting Wang. RaHeC: A Mechanism of Resource Management for Heterogeneous Clouds. *IEEE HPCC 2015*.

Wenyun Dai, Haopeng Chen, Wenting Wang, Xi Chen. RMORM: A Framework of Multi-Objective Optimization Resource Management in Clouds. *IEEE Services 2013*.

TEACHING EXPERIENCE

Teaching Assistant, Columbia University
Android

Sep. 2015 - Dec. 2017

- Duties include teaching, design textbook and exercises, and Q&A hours.

Teaching Assistant, Pace University
Android, Java, XML, and Cloud Computing

Sep. 2015 - Dec. 2017

- Duties include teaching, Q&A hours, design textbook and exercises, and grading

Competition Tutor, Pace University

Jan. - Apr. 2016

USACO Competition training program – Golden level, Java

- Duties include design algorithms and problem solving methods and teaching in class

Teaching Assistant, Shanghai Jiao Tong University

Sep. 2011 - Feb. 2014

C++, Java, Algorithm, Enterprise System Architecture, SOA, and Cloud Computing Systems

- Duties include teaching and demonstration, Q&A hours, and leading lab exercises.

ACADEMIC SERVICE

- Financial Chair - HPCC/ICSS/CSS 2015, NSS 2015, BigDataSecurity 2015-2017, CSCloud 2015-2017.
- External Reviewer - TC, TCC, JSPS, Cloud 2013, HPCC 2015, BigDataSecurity 2015-2017, CSCloud 2015-2017.

SKILLS

- Programming Languages: Java, C++, C#, NodeJS, JavaScript, CSS, HTML
- Cloud Platforms: OpenStack, AWS, Azure, Docker
- Distributed Systems: Hadoop, Spark
- Database: SQL Server, MySQL, SQLite, MongoDB
- Operating Systems: Unix/Linux, Windows, Mac OS