

Wenyun Dai

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| CONTACT INFORMATION | 25 Midway Rd White Plains NY 10607 | <i>Tel:</i> 914-349-3981 <i>E-mail:</i> wenyun.dai@pace.edu |
| EDUCATION | Pace University New York, United States PhD in Computer Science, GPA 3.97/4.0, <i>2015 - 2018</i> <ul style="list-style-type: none">• 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, <i>2011 - 2014</i> <ul style="list-style-type: none">• Thesis: Dynamic Resource Management in Clouds with Support for Federation Xiamen University Xiamen, China BE in Software Engineering, <i>2006 - 2010</i> | |
| WORKING EXPERIENCE & PROJECTS | Obie Technologies NY, Software Engineer Intern 12/2017 - 03/2018 <ul style="list-style-type: none">• Full stack implementation of Globie official website: www.globie.net<ul style="list-style-type: none">★ Java Servlet — Backend★ Vertx-jOOQ — API★ JQuery — Frontend★ AWS Elastic Beanstalk — Deployment Obie Technologies NY, Software Engineer & Web Development Manager 03/2018 - present <ul style="list-style-type: none">• Full stack implementation of internal management platform<ul style="list-style-type: none">★ 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<ul style="list-style-type: none">★ Customer Service and Accounting department official website★ Wholesale platform official website K12 Alerts NY, Software Engineer Intern 05/2016 - 08/2016 <ul style="list-style-type: none">• Single Sign On System<ul style="list-style-type: none">★ Microsoft Active Directory• Management Website Rebuild<ul style="list-style-type: none">★ 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 <ul style="list-style-type: none">• Project manager and full stack developer - C# & .NET & Telerik Traceable Project Management System , 615 Research Institute, China 2012 - 2013 <ul style="list-style-type: none">• Project manager and full stack developer - C# & JQuery Huahan ERP , Softek Computer Shanghai Ltd., China 2012 - 2013 <ul style="list-style-type: none">• Back-end developer using NHibernate - C# & .NET Data Loader over Ethernet Interface , 615 Research Institute, China 2011 - 2012 <ul style="list-style-type: none">• 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 **Sep. 2015 - present**
Android

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

Teaching Assistant, Pace University **Sep. 2015 - present**
Android, Java, XML, and Cloud Computing

- 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