

# Jiaofei Zhong

Department of Computer Science, California State University East Bay, [jiaofei.zhong@csueastbay.edu](mailto:jiaofei.zhong@csueastbay.edu)

## EDUCATION

- Ph.D.** Computer Science, The University of Texas at Dallas, Richardson, Texas, USA.
- M.S.** Computer Science, The University of Texas at Dallas, Richardson, Texas, USA.
- B.E.** Computer Science and Technology, Renmin University of China, Beijing.

## DISSERTATION

“Data Management in Wireless Environment”.

## EXPERIENCE

- Associate Professor, California State University, East Bay, Hayward, CA.
- Assistant Professor, California State University, East Bay, Hayward, CA.
- Assistant Professor, University of Central Missouri, Warrensburg, MO.
- Teaching Assistant, The University of Texas at Dallas.
- Research Assistant, The University of Texas at Dallas.

## TEACHING EXPERIENCE

### California State University, East Bay

CS 200	Advanced Programming for Everyone
CS 301	Data Structures and Algorithms
CS 411	Automata and Computation
CS 603	Advanced Software Engineering
CS 611	Theory of Computation
CS 615	Compiler Design
CS 692	Capstone Examinations
CS 2370	Intro to Computer Science III
CS 3240	Data Structures and Algorithms
CS 4110	Compiler Design
CS 4170	Theory of Automata
CS 4900	Independent Study
CS 6110	Theory and Design of Compilers
CS 6170	Automata and Formal Languages
CS 6260	Computational Complexity
CS 6310	Advanced Software Engineering
CS 6899	Project
CS 6901	Capstone Experience

**University of Central Missouri**

CS 1110	Computer Programming II (Java)
CS 2810	Introduction to Game Design
CS 3110	Application Programming in C# & .NET
CS 3110	Object-Oriented Programming in C# (Undergraduate)
CS 4000	Application Programming in C# and .NET (Undergraduate)
CS 4600	Database Theory & Applications
CS 4800	Computer Networking
CS 4830	Game Development
CS 5000	Mobile Application Development with Android
CS 5030	Advanced Application Programming in C# & .NET (Graduate)
CS 5040	Master's Project
CS 5910	Advanced Software Engineering
CS 6010	Thesis

**The University of Texas at Dallas**

CS 1335	Computer Science I (Java)
ECS 2305	Discrete Mathematics for Computing
CS/SE/ECS 3345	Data Structures and Introduction to Algorithm Analysis (Java)
CS/SE 4348	Operating Systems Concepts
CS 4384	Automata Theory (Undergraduate)
CS 5349	Automata Theory (Graduate)
CS 6325	Introduction to Bioinformatics
CS 6363	Design and Analysis of Computer Algorithms
CS 6382	Theory of Computation
CS 7301	Recent Advances in Computing - Crypt. Tops. for Data Security
CS/SE 7301	Recent Advances in Computing - Linear Progrm. / Approx. Algorithms

**RESEARCH INTERESTS**

- Data Engineering and Data Management;
- Wireless Networks and Mobile Computing;
- Machine Learning and Deep Learning;
- Information Retrieval and Data Mining;
- Cloud Robotics and Cloud Computing;
- Virtual/Augmented/Mixed Reality;
- Approximation Algorithms.

**RESEARCH EXPERIENCE AT CSUEB**

- Studied the convolutional neural networks and medical image processing applications
- Designed a face recognition application using deep learning technology for mixed reality devices

- Studied the geometric classification algorithm for big data analysis
- Developed a software tool to link habitat temperature with protein structure in Bioinformatics project
- Studied data clustering algorithms for community detection
- Designed multi-channel data broadcasting system and index schemes
- Developed respondent selection algorithm for biased survey using online social networks

## MENTORING EXPERIENCE AT CSUEB

### UNDERGRADUATE STUDENTS

- Shawn Bhagat (2016-2017) Project: Faculty and Undergraduate Research Student Teams (FURST)
- Adinma Chidumije (2020) FURST Project: CNN and face recognition
- Samuel Clark (2020) FURST Project: CNN and medical image processing
- Raouf Eskandar (2020) FURST Project: CNN and medical image processing
- Egxona Ferati (2016-2017) FURST Project: Data visualization and machine learning
- Fatima Gowher (2020) FURST Project: CNN and face recognition
- Derrick Jann (2014-2015) Project: Hash scheme redesign for multi-channel data broadcasting system
- Andrew Kim (2016-2017) FURST Project: Data visualization and machine learning
- Alexis Lara (2016-2017) FURST Project: Data visualization and machine learning
- Kelby Madal-Hellmuth (2016-2017) FURST Project: Data visualization and machine learning
- Christian Magpantay (2020) FURST Project: CNN and medical image processing
- Justin Reian Mercado (2020) FURST Project: CNN and face recognition
- Suritaneil Sahota (2020) FURST Project: CNN and medical image processing
- Jiwanjot Soni (2020) FURST Project: CNN and face recognition
- Wei Su (2015-2016) Project: Machine learning approach for human emotion recognition
- Tibor Svarka (2016-2017) FURST Project: Data visualization and machine learning
- Benjamin Thomas (2016-2018) FURST Project: Data visualization and machine learning

### GRADUATE STUDENTS

- Nikhil Dalshania (2014-2015) Project: B<sup>+</sup>-tree index redesign for multi-channel data broadcasting
- Sunil Gupta (2015-2016) Project: Develop Bioinformatics tool for 3D protein modeling
- Prerana Lanjekar (2014-2015) Project: Signature index for multi-channel data broadcasting system
- Megha Manjunath (2014-2015) Project: Huffman-tree scheme for multi-channel data broadcasting
- Dharmisthaben Patel (2014-2015) Project: Exponential index for multi-channel data broadcasting

### THESIS COMMITTEE

- Christopher Lagali (2016) Traffic light Detection and Intersection Crossing using OpenCV on Android
- William Overell (2016) BlindBike: Road Following and Navigation
- Deepak Murthy (2018) Is a Customer New or Existing or a Bot

## RECENT PRESENTATIONS AND INVITED TALKS

Invited Talk: Best practices for interdisciplinary computing degree programs, Interdisciplinary Computing Summer Institute (ICSI), August 6th, 2020.

Presentation: Deep Learning Face Recognition Application with Augmented Reality, The Future of Information and Communications Conference (FICC) 2020, San Francisco, California, March 5th-6th, 2020.

Invited Talk: Overview of interdisciplinary computing programs, Interdisciplinary Computing Summer Institute (ICSI), San Jose, California, August 8th, 2019.

- Presentation: Actively engage students with new technology and personalized approach, The 21st Annual CSU Symposium on Teaching and Learning: "Educating Our Golden State – Reaching the Next Generation of Californians, Fresno, California, March 8th-9th, 2019.
- Presentation: Actively Engage Students with Diverse Background Using a More Personalized Approach, The 48<sup>th</sup> IEEE Frontiers in Education Conference (FIE) Fostering Innovation Through Diversity, San Jose, California, October 3rd-6th, 2018.
- Presentation: Designing Adaptive Learning Objects for Enhanced Student Engagement in Data Structures and Algorithms, The 49th ACM Technical Symposium on Computer Science Education (SIGCSE), Baltimore, Maryland, February 21st-24th, 2018.
- Invited Talk: Actively Engage Students Using More Personalized Approach in Programming Courses, Interdisciplinary Computing Summer Institute (ICSI), San Jose, California, August 9th-10th, 2018.
- Invited Talk: The Maximum Community Partition Problem in Networks. Computer Science Colloquium, Sonoma State University, Sonoma, California, November 16th, 2017.
- Presentation: Designing Personalized Learning Objects for Enhanced Student Engagement. Back to the Bay 2017, CSUEB, Hayward, CA, September 14th, 2017.
- Invited Talk: The Maximum Community Partition Problem in Networks. The 2nd Data Science and Digital Information Services and Software Engineering Youth Forum, Dalian, China, July 26th-28th, 2017.
- Presentation: Designing Personalized Learning Objects for Enhanced Student Engagement. Celebration of Teaching, CSUEB, Hayward, CA, May 26th, 2017.
- Invited Talk: Efficient Respondents Selection for Biased Survey using Online Social Networks. INFORMS Annual Meeting, San Francisco, November, 2014.
- Invited Talk: The "Network Effect": Using Peer Review in Computer Programming. Turnitin Academy - Student Success Week, October, 2014.
- Invited Talk: The Network Community Structure Detection Problem. INFORMS Annual Meeting, Minneapolis, October, 2013.
- Presentation: The Maximum Community Partition Problem in Networks. International Conference on Social Intelligence and Technology (SOCIETY 2013), State College, Pennsylvania, May, 2013.
- Presentation: Multi-channel Energy-efficient Hash Scheme Broadcasting. International Conference on Software Engineering and Data Engineering (SEDE 2012), Los Angeles, June, 2012.
- Presentation: DNA Library Screening and Transversal Designs. Southern Biomedical Engineering Conference (SBEC 2011), Arlington, April, 2011.

## RECENT PUBLICATIONS

### BOOK CHAPTER

- Y. Shi, W. Wu, **J. Zhong**, Z. Lu, and X. Gao. Optimization Problems in Data Broadcasting. Handbook of Combinatorial Optimization, Springer, 2013.

### JOURNAL PAPERS

- X. Gao, Y. Yang, G. Chen, X. Lu, **J. Zhong**. Global Optimization for Multi-Channel Wireless Data Broadcast with AH-Tree Indexing Scheme. IEEE Transactions on Computers (TC). Vol. 65, Issue 7, 2016.
- D. Kim, **J. Zhong**, M. Lee, D. Li, Y. Li, A.O. Tokuta. Efficient respondents selection for biased survey using homophily-high social relation graph. Discrete Mathematics, Algorithms and Applications (DMAA), Vol. 8, No. 04, Dec 2016.
- Z. Mundher, and **J. Zhong**. Provide a Global Tracking Feature for Person-Following Robot based on the Kinect Sensor. Journal of Automation and Control Engineering, 2014.
- J. Zhong**, W. Wu, X. Gao, Y. Shi, and X. Yue. Evaluation and Comparison of Various Indexing Schemes in Single-Channel Broadcast Communication Environment, Knowledge and Information Systems: An International Journal (KAIS), 2014.
- Z. Mundher, and **J. Zhong**. A Real-Time Fall Detection System in Elderly Care Using Mobile Robot and Kinect Sensor. International Journal of Materials, Mechanics and Manufacturing, 2014.

- Z. Lu, W. Wu, W. Chen, **J. Zhong**, Y. Bi, and Z. Gao. The Maximum Community Partition Problem in Networks. *Discrete Mathematics, Algorithms and Applications (DMAA)*, 2013.
- Y. Gu, J. Fan, G. Tang, **J. Zhong**. Maximum latency scheduling problem on two-person cooperative games. *Journal of Combinatorial Optimization (JOCO)*, Vol. 26, Issue 1, pp. 71-81, July 2013.
- F. Zou, **J. Zhong**, W. Wu, D. Du, J. Lee. An Optimized RSU Scheduling Scheme for the Connectivity Problem in the Highly-Partitioned VANET. *Computer Engineering and Science*, 2012.
- H. Du, Q. Ye, **J. Zhong**, Y. Wang, W. Lee, H. Park. Polynomial-time approximation scheme for minimum connected dominating set under routing cost constraint in wireless sensor networks. *Theoretical Computer Science*, 2012.
- W. Wu, **J. Zhong**. On Characteristic Area of Steiner Tree, in *Discrete Mathematics, Algorithms and Applications (DMAA)*, Volume 3, Issue 1(2011), pp. 69-76, February 4, 2011.
- J. Zhong**, G. Zhou, Y. Chen. A Market Competition Model on basis of CAS Theory, *Science and Technology Consulting Herald*, Vol. 21, pp. 240-241, July 21, 2007.

#### CONFERENCE PAPERS

- A. Kim, E. Kamalinejad, K. Madal-Hellmuth, **J. Zhong**. Deep Learning Based Face Recognition Application with Augmented Reality Devices, the Future of Information and Communications Conference (FICC 2020), San Francisco, California, March 5th-6th, 2020.
- D. Haley, E. Kamalinejad, **J. Zhong**. IsoClustering: A Generalized Framework for Local Data Clustering, 18th IEEE International Conference on Machine Learning and Applications (ICMLA 2019), Boca Raton, Florida, December 16th-19th, 2019.
- J. Zhong**. Actively Engage Students with Diverse Background Using a More Personalized Approach, The 48th IEEE Frontiers in Education Conference (FIE 2018) Fostering Innovation Through Diversity, San Jose, California, October 3rd-6th, 2018.
- J. Zhong**. Designing Adaptive Learning Objects for Enhanced Student Engagement in Data Structures and Algorithms, Proceedings of the 49th ACM Technical Symposium on Computer Science Education (SIGCSE 18), pp. 1089-1089, Baltimore, Maryland, February 21st-24th, 2018.
- S. Yu, F. Xia, K. Zhang, Z. Ning, **J. Zhong** and C. Liu. Team Recognition in Big Scholarly Data: Exploring Collaboration Intensity, The 3rd IEEE International Conference on Big Data Intelligence and Computing (DataCom), Orlando, Florida, USA, November 6th-10th, 2017. **[Best Paper Award]**
- M. Liao, X. Liu, X. Gao, **J. Zhong**, G. Chen. iSim: An Efficient Integrated Similarity Based Collaborative Filtering Approach for Trust Prediction in Service-Oriented Social Networks. In *International Conference on Service-Oriented Computing*, pp. 501-516. Springer International Publishing, 2016.
- H. Yang, **J. Zhong**, D. Ha, H. Oh. Rumor Propagation Detection System in Social Network Services. The 5th International Conference on Computational Social Networks (CSoNet), 2016.
- S. Gupta, **J. Zhong**, T. Evans. A High-throughput, Web-based Tool to Determine Protein Hydrogen Bond Number. The 25th International Conference on Software Engineering and Data Engineering, September 26-28, Denver, CO, USA, 2016.
- D. Kim, **J. Zhong**, M. Lee, D. Li, and A. O. Tokuta. Efficient Respondents Selection for Biased Survey using Online Social Networks. *Workshop on Computational Social Networks (CSoNet)*, 2014.
- Y. Hong, D. Kim, D. Li, **J. Zhong**, and A. Tokuta. On Computing Resilient Virtual Backbone in CRNs. *International Conference on Information Science and Applications (IEEE ICISA)*, 2014.
- Z.A. Mundher, and **J. Zhong**. A Real-Time Fall Detection System in Elderly Care using Mobile Robot and Kinect Sensor. *International Conference on Robotics, Mechanics and Mechatronics*, 2014.
- X. Zhai, L. Fan, K. Xing, H. Chen, A. Wang, **J. Zhong**. Inferring Network Structure via Cascades. The 10th International Conference on Mobile Ad-hoc and Sensor Networks (MSN), Dec. 19-21, 2014.
- J. Zhong**, Z. Gao, W. Wu, W. Chen, X. Gao, and X. Yue. High Performance Energy Efficient Multi-Channel Wireless Data Broadcasting System. *Wireless Communications and Networking Conference*, 2013.
- Z. Gao, W. Wu, Z. Lu, W. Chen, **J. Zhong**, and Y. Bi. The Maximum Community Partition Problem in Networks. *International Conference on Social Intelligence and Technology*, 2013.
- X. Lu, X. Gao, Y. Yang, and **J. Zhong**. SETMES: A Scalable and Efficient Tree-based Mechanical Scheme for Multi-Channel Wireless Data Broadcast. *ACM ICUIMC*, 2013.

- Y. Yang, X. Gao, X. Lu, **J. Zhong**, and G. Chen. Distributed AH-Tree Based Index Technology for Multi-Channel Wireless Data Broadcast. Database Systems for Advanced Applications, 18th International Conference (DASFAA), Lecture Notes in Computer Science, Vol. 7825, pp.176-192, 2013.
- Z. Mundher, and **J. Zhong**. Provide a Global Tracking Feature for Person-Following Robot based on the Kinect Sensor. The 2nd International Conference on Control, Robotics and Informatics, 2013.
- K. Xing, W. Wu, Y. Shi, **J. Zhong**, L. Wu, Z. Gao. An Efficient Scheme for Non-Clustered Data Broadcasting. International Conference on Software Engineering and Data Engineering (SEDE), 2013.
- J. Zhong**, Z. Gao, W. Wu, W. Chen, and L. Wang. Multi-channel Energy-efficient Hash Scheme Broadcasting. International Conference on Software Engineering and Data Engineering, 2012.
- X. Gao, Y. Shi, **J. Zhong**, X. Zhang, and W. Wu, SAMBox: A Smart Asynchronous Multi-Channel Black-Box for Wireless Data Broadcast. Proceedings of The 21st International Conference On Software Engineering and Data Engineering (SEDE), 2012.
- J. Zhong**, W. Wu, Y. Shi, and X. Gao. Energy-Efficient Tree-Based Indexing Schemes for Information Retrieval in Wireless Data Broadcast. DASFAA, 2011.
- F. Zou, **J. Zhong**, W. Wu, D. Du, and J. Lee. Energy-efficient Roadside Unit Scheduling for Maintaining Connectivity in Vehicle Ad-hoc Network. ACM ICUIMC, 2011.
- J. Guo, S. Gao, W. Wu, **J. Zhong**. DNA Library Screening and Transversal Designs. Proceeding of the 27th Southern Biomedical Engineering Conference (SBEC), pp. 114, 2011.
- K. Yang, Y. Shi, W. Wu, X. Gao, and **J. Zhong**. A Novel Hash-Based Streaming Scheme for Energy Efficient Full-Text Search in Wireless Data Broadcast. DASFAA, 2011.
- Y. Shi, X. Gao, **J. Zhong**, and W. Wu. Efficient Parallel Data Retrieval Protocols with MIMO Antennae for Data Broadcast in 4G Wireless Communications. DEXA, 2010.
- H. Du, Q. Ye, **J. Zhong**, Y. Wang, W. Lee, and H. Park. PTAS for Minimum Connected Dominating Set with Routing Cost Constraint in Wireless Sensor Networks. Proceedings of the 4th Annual International Conference on Combinatorial Optimization and Applications (COCOA), pp. 252-259, 2010.
- G. Zhou, **J. Zhong**, H. Zhou, and Y. Chen. Network Externality Products C & Competition Strategy: An Experimental Economics Approach. Integration and Innovation Orient to E-Society, Vol. 1, the 7th International Symposium of I3E, 2007.

## PROFESSIONAL SERVICE

### Conference Program Committee Co-chair

International Workshop on Mobile Internet (MoI 2014)

### Conference Technical Program Committee Member

The 26th International Conference on Database Systems for Advanced Applications (DASFAA 2021)

The 5th International Conference on Information System and Data Mining (ICISDM 2021)

The 14th Annual International Conference on Combinatorial Optimization and Applications (COCOA 2020)

The 8th International Conference on Complex Networks and their Applications (2019)

The 6th International Conference on Computational Social Networks (CSoNet 2017)

The 10th Annual International Conference on Combinatorial Optimization and Applications (COCOA 2016)

The 5th International Conference on Computational Social Networks (CSoNet 2016)

The 21th International Conference on Database Systems for Advanced Applications (DASFAA 2016)

The 25th International Conference on Computer Communication and Networks (ICCCN 2016)

The 9th Annual International Conference on Combinatorial Optimization and Applications (COCOA 2015)

The 11th IEEE International Conference on Mobile Ad-hoc and Sensor Networks (MSN 2015)

The 4th International Conference on Computational Social Networks (CSoNet 2015)

The 24th International Conference on Software Engineering and Data Engineering (SEDE 2015)

IEEE International Conference on Mobile Ad-hoc and Sensor Networks (MSN 2014)

International Conference on Software Engineering and Data Engineering (SEDE 2014)

International Conference on Software Engineering and Data Engineering (SEDE 2013)

#### **Conference Publicity and Online Conference System (OCS) co-Chair**

The 21th International Conference on Database Systems for Advanced Applications (DASFAA 2016)

International Conference on Software Engineering and Data Engineering (SEDE 2012)

International Computing and Combinatorics Conference (COCOON 2011)

International Conference on Software Engineering and Data Engineering (SEDE 2011)

International Conference on Combinatorial Optimization and Applications (COCOA 2011)

International Conference on Combinatorial Optimization and Applications (COCOA 2010)

#### **Financial Chair**

International Conference on Combinatorial Optimization and Applications (COCOA 2017)

International Computing and Combinatorics Conference (COCOON 2011)

International Conference on Combinatorial Optimization and Applications (COCOA 2010)

International Symposium on Algorithm and Computation (ISAAC 2009)

#### **Local Chair/Arrangement Staff**

International Conference on Mobile Ad-hoc and Sensor Networks (IEEE MSN 2014)

ACM-ICPC International Collegiate Programming Contest 2012 (Mid-Central Regional)

International Computing and Combinatorics Conference (COCOON 2011)

IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP 2010)

International Conference on Combinatorial Optimization and Applications (COCOA 2010)

International Conference on Wireless Algorithm, Systems and Applications (WASA 2008)

#### **Journal / Conference Reviewer**

The 26th International Conference on Database Systems for Advanced Applications (DASFAA 2021)

The 5th International Conference on Information System and Data Mining (ICISDM 2021)

The 14th Annual International Conference on Combinatorial Optimization and Applications (COCOA 2020)

The 8th International Conference on Complex Networks and their Applications (2019)

Transactions on Mobile Computing (TMC 2017)

Journal of Combinatorial Optimization (JOCO 2017)

The 6th International Conference on Computational Social Networks (CSoNet 2017)

National Science Foundation (NSF) grant proposal (2016-2017)

Journal of Combinatorial Optimization (JOCO 2016)

Concurrency and Computation: Practice and Experience (2016)

The 21th International Conference on Database Systems for Advanced Applications (DASFAA 2016)

The 10th International Conference on Combinatorial Optimization and Applications (COCOA 2016)

The 5th International Conference on Computational Social Networks (CSoNet 2016)

The 25th International Conference on Computer Communication and Networks (ICCCN 2016)

C++ Plus Data Structures (Jones & Bartlett Learning, 2016)

Open Educational Resources textbooks (CA-OER 2015)

IEEE Transactions on Broadcasting (2015)

EURASIP Journal on Wireless Communications and Networking (2015)  
The 9th Annual International Conference on Combinatorial Optimization and Applications (COCOA 2015)  
IEEE International Conference on Mobile Ad-hoc and Sensor Networks (MSN 2015)  
The 24th International Conference on Software Engineering and Data Engineering (SEDE 2015)  
IEEE International Conference on Communications-Mobile & Wireless Networking Symposium (ICC 2015)  
IEEE Global Communications Conference: Selected Areas in Communications: Green Communications and Computing (GLOBECOM 2015)  
The 4th International Conference on Computational Social Networks (CSoNet 2015)  
IEEE International Conference on Mobile Ad-hoc and Sensor Networks (MSN 2014)  
Sensors - Open Access Journal (2014)  
International Conference on Software Engineering and Data Engineering (SEDE 2014)  
IEEE Global Communications Conference, Wireless Networking Symposium (GLOBECOM 2014)  
International Journal of Sensor Networks (IJSNET 2013)  
Journal of Communications and Networks (JCN 2013)  
International Conference on Software Engineering and Data Engineering (SEDE 2013)  
IEEE Global Communications Conference: E-Health Track of the Selected Areas in Communications Symposium (GLOBECOM 2013)  
IEEE Global Communications Conference, Social Networking Track of the Selected Areas in Communications Symposium (GLOBECOM 2013)  
Annual International Computing and Combinatorics Conference (COCOON 2013)  
Handbook of Combinatorial Optimization, 2nd Edition (2012)  
International Conference on Software Engineering and Data Engineering (SEDE 2012)  
Journal of Combinatorial Optimization (JOCO 2011)  
Discrete Mathematics, Algorithms and Applications (DMAA 2011)  
International Journal of Digital Content Technology and its Applications (JDCTA 2011)  
International Conference on Ubiquitous Information Management & Communication (ACM ICUIMC 2011)  
International Computing and Combinatorics Conference (COCOON 2011)  
International Conference on Software Engineering and Data Engineering, Las Vegas (SEDE 2011)  
ACM International Conference on Information and Knowledge Management (CIKM 2010)  
International Conference on Combinatorial Optimization and Applications (COCOA 2010)  
International Symposium on Algorithms and Computation, Honolulu (ISAAC 2009)

## GRANTS AND AWARDS

[Best Paper Award] S. Yu, F. Xia, K. Zhang, Z. Ning, **J. Zhong** and C. Liu. Team Recognition in Big Scholarly Data: Exploring Collaboration Intensity, The 3rd IEEE International Conference on Big Data Intelligence and Computing (DataCom), Orlando, Florida, USA, November 6th-10th, 2017.

[Award] **Jiaofei Zhong**. The David Valdovinos & Stephanie Carr Computer Science Faculty Excellence Award (2017), awarded \$4,500 for one course release (4 WTU).

[Federal Grant] **Jiaofei Zhong**. "Collaborative Research: A Technology Pathway Program in Data Technology and Applications," National Science Foundation (NSF), DUE-1626612 (2016), 10/1/2016-9/30/2020, awarded \$99,999.

[Federal Grant] **Jiaofei Zhong**, Ehsan Kamalinejad. "Collaborative proposal: Faculty and Undergraduate Research Student Teams (FURST)," NSF, Division of Mathematical Sciences, DMS-1620500 (2016), 1/1/2017-12/31/2020, awarded \$35,000.



[CSU Grant] **Jiaofei Zhong**. “Data Structures and Algorithms”, Proven Course Redesign - Adopting Faculty, Course Redesign with Technology (CRT), CSU Chancellor’s Grant (2016), 7/1/2016-6/30/2017, awarded \$11,676.

[State Grant] Aline Soules, State Grant: The California College Textbook Affordability Act of 2015 (AB 798), October 2016, total awarded \$31,000. (**Jiaofei Zhong**, participating faculty member, award: \$1,000)

[CSUEB Grant] Tyler Evans, **Jiaofei Zhong**. “Developing a high-throughput method to link habitat temperature with protein structure in ‘cold-blooded’ organisms,” CSU East Bay Faculty Support Grant (FSG) (2015- 2016) awarded \$12,000.

[CSUEB Grant] Ehsan Kamalinejad, **Jiaofei Zhong**. “Geometric Classification Algorithm for Big Data Analysis”, CSU East Bay Faculty Support Grant (FSG) (2015- 2016) awarded \$12,000.

[CSUEB Grant] **Jiaofei Zhong**. “Internationalizing the Curriculum,” CSUEB Faculty Learning Community (FLC) 2015-2016, awarded \$1,000.

[CSUEB Grant] **Jiaofei Zhong**. “Energy Efficient Indexing Design for Wireless Data Broadcasting Systems”, CSU East Bay Faculty Support Grant (FSG) (2014- 2015), awarded \$4,500.

[CSUEB Grant] **Jiaofei Zhong**. New Faculty Research Incentive Program (2014-2015), CSUEB College of Science, awarded \$2,000.

[CSUEB Grant] **Jiaofei Zhong**. “Completing a Scholarly Project During the Academic Year,” CSUEB Faculty Learning Community (FLC) 2014-2015, awarded \$1,000.

[Travel Grant] **Jiaofei Zhong**. Travel grant to attend CRA-W “Managing the Academic Career for Women Faculty in Undergraduate Computing Programs” Workshop, SIGCSE 2015, awarded \$1,000.

[UCM Grant] **Jiaofei Zhong**. “Energy Efficient Multi-Channel Indexing Scheme for Wireless Data Broadcasting Systems”, UCM Level II Grant (2012-2014), awarded \$4,986.

[Award] **Jiaofei Zhong**. Google App Engine Education Award (2012), awarded \$1,000.