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Yuanyang Zhang

Professional Experience

Turn Inc., Redwood City, CA
Scientist I, Aug. 2016 – present

AppFolio Inc., Santa Barbara, CA
Intern, Summer 2015

Microsoft Research Asia, Beijing, China
Research Intern, Wireless and Networking Group, Sept. 2009 – Feb. 2010

Education

University of California, Santa Barbara, Santa Barbara, CA
Ph.D., Computer Science, Sept. 2010 – Aug. 2016

- Advisor: Professor Linda Petzold
- Thesis: Mining Clinical Data for Trauma Patients

Beihang University, Beijing, China
B.E., Electronic Information Engineering, School of Advanced Engineering (Honor School), Sept. 2006 – Jun. 2010

Honors & Awards

Holbrook Foundation Fellowship, 2010 – 2011

Wireless Networking Fellowship, 2010 – 2011

Beihang Universitys Excellent Student Tite (top 1%), 2010

Beihang Universitys Merit Student Title (top 1%), 2010

Meritorious Prize in the 2009 US Mathematical Contest in Modeling

Gaojiaoshe Cup winner in the 2008 China Undergraduate Mathematical Contest in Modeling, (The unique NO.1 team among 12670 teams)

Hainan Airline College Scholarship, 2008-2009

Outstanding Freshmen Scholarship (top 100/3000), 2006

Publications

Survival Topic Models for Predicting Outcomes for Trauma Patients
Yuanyang Zhang, Richard Jiang and Linda Petzold
2nd International Workshop on Health Data Management and Mining 2017 (To appear)

Identification of Disease States Associated with Coagulopathy in Trauma
Yuanyang Zhang, Tie Bo Wu, Bernie J Daigle Jr, Mitchell Cohen and Linda Petzold
BMC Medical Informatics and Decision Making, 16.1 (2016): 124.

A Multi-Metric Evaluation of Stratified Random Sampling for Classification: A Case Study
Gunjan S Thakur, Bernie J Daigle Jr., Meng Qian, Kelsey R Dean, **Yuanyang Zhang**, Ruoting Yang,Taek-Kyun Kim, Xiaogang Wu, Meng Li, Inyoul Lee, Linda R Petzold, and Francis J Doyle III
The IEEE Life Sciences Letters.

A Cure Time Model for Joint Prediction of Outcome and Time-to-Outcome
Yuanyang Zhang, Bernie J Daigle Jr, Mitchell Cohen and Linda Petzold
The IEEE International Conference on Data Mining 2015 (ICDM 2015).

Systems Biology Approach to Understanding Post-Traumatic Stress Disorder
Gunjan S Thakur, Bernie J Daigle Jr, Kelsey Dean, **Yuanyang Zhang**, Maria Rodriguez-

Fernandez, Rasha Hammamieh, Ruoting Yang, Marti Jett, Joseph Palma, Linda R Petzold, Francis J Doyle III
Molecular BioSystems 11 (4), 980-993.

Data-Driven Mortality Prediction for Trauma Patients
Yuanyang Zhang, Bernie Daigle, Lisa Ferrigno, Mitchell Cohen and Linda Petzold
2014 Machine Learning in Computation Biology workshop (MLCB 2014) at the Annual Conference on Neural Information Processing Systems (NIPS 2014).

Toward a Data-Driven Model of Trauma Dynamics
Linda Petzold, **Yuanyang Zhang**, Bernie Daigle, Lisa Ferrigno, Mitchell Cohen
Journal of Critical Care 28.6 (2013): e37-e37.

Fine-Grained Channel Access in Wireless LAN
Ji Fang, Kun Tan, **Yuanyang Zhang**, Shouyuan Chen, Lixin Shi, Jiansong Zhang, Yongguang Zhang
IEEE/ACM Transactions on Networking (TON) 21.3 (2013): 772-787.

I am the Antenna: Accurate Outdoor AP Location using Smartphones
Zengbin Zhang, Xia Zhou, Weile Zhang, **Yuanyang Zhang**, Gang Wang, Ben Zhao, Haitao Zheng
Proceedings of the 17th annual international conference on Mobile computing and networking. ACM, 2011 (MobiCom 2011).

Fine-Grained Channel Access in Wireless LAN
Kun Tan, Ji Fang, **Yuanyang Zhang**, Shouyuan Chen, Lixin Shi, Jiansong Zhang, Yongguang Zhang
SIGCOMM '10 Proceedings of the ACM SIGCOMM 2010 conference (SIGCOMM 2010).

A Covert Channel Analysis of a Real Switch
Xun Li, **Yuanyang Zhang**, Frederic T Chong, Ben Y Zhao
Technical Report. Dep. of Computer Science, University of California, Santa Barbara

Talks

The IEEE International Conference on Data Mining, 2015
"A Cure Time Model for Joint Prediction of Outcome and Time-to-Outcome"

Machine Learning in Computation Biology Workshop, 2014
"Data-Driven Mortality Prediction for Trauma Patients"

Teaching

Problem Solving II with C++, (CS24)
Teaching Assistant, Fall 2013

Discrete Mathematics, (CS40)
Teaching Assistant, Fall 2010, Winter 2011, Spring 2011, Summer 2011 and Winter 2012

Academic Service

Journal External Reviewer
Transactions on Big Data, Information Systems, Neural Computing and Applications, Transactions on Signal and Information Processing over Networks, Ad Hoc Networks, International Journal of Biomathematics, International Journal of Bioinformatics Research and Applications, Journal of Medical Systems, Multimedia Tools and Applications

Conference External Reviewer
IEEE 85th Vehicular Technology Conference 2017 ACML Workshop on Learning on Big Data 2016, the 8th International Conference on Soft Computing and Pattern Recognition 2016, INFOCOM Workshops 5G & Beyond 2017, CSCEET 2017, ICCSIT 2016

Others
Volunteer, The 15th Annual International Conference on Mobile Computing and Networking (Mobicom), 2009