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# YILONG YANG (杨溢龙)

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## Education

- 2006.9 - 2010.6, China University of Mining and Technology, Computer Sciences and Technology, BS.
- 2010.9 - 2013.6, Guizhou University, Computer software and theory, MS.
- 2013.9 - Present, University of Macau, Software Engineering, PhD Candidate.

## Interested Field

- Automated Software Engineering
- Machine Learning

## Experience

- 2013.1 - 2013.6. United Nations University - International Institute for Software Technology, Fellow and System Administrator.
- 2008.11 - 2010.12. Xuzhou Surpass Lab and Guizhou WolkTech. Instructor for Cisco and Linux Courses.

## Certificates

- Red Hat Certified Engineer (RHCE)
- Cisco Certified Network Associate(CCNA)
- Cisco Certified Network Professional (CCNP: routing, switching and QOS)
- Machine Learning (Coursera course by Stanford university)

## Research Projects

- Model-Driven Software Development from Requirement Description to Code Generation. FDCT 103/2015/A3. (In Progress)
- NSFC Project of Applying RUP Iterative Development in rCOS for Formal Requirement Analysis and Validation with reference number 61562011. (In Progress)
- Secure Architecture for Electronic Health Records (SAFEHR) with Reference Number FDCT 018/2011/A1. (Accomplished)

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- GuiYang City Bureau of Science and Technology Plan Projects [2011] zhukehetong 2011201da-4-2: Design and Implementation of multi-area and multi-domain cloud communication and data acquisition model. (Principal Investigator, Accomplished)
  - Innovation Fund of Guizhou University[2012]ligong2012036: Research and Implementation of Trusted and Intelligent Cloud Service Component Model. (Principal Investigator, Accomplished)

## **Publications**

- Nafees Qamar, Yilong Yang, Andras Nadas, Zhiming Liu. Querying Medical Datasets While Preserving Privacy. *Procedia Computer Science*. 2016, 98, 324 – 331.
- Weiru Wang, Chi Man Vong, Yilong Yang, Pak-Kin Wong. Encrypted image classification based on multilayer extreme learning machine. *Multidimensional Systems and Signal Processing*. pp 1-15, 2016.
- Yilong Yang, Jing Yang, Xiaoshan Li, and Weiru Wang. An integrated framework for semantic service composition using answer set programming. *International Journal of Web Services Research (IJWSR)* 11, no. 4 (2014): 47-61.
- Yilong Yang, Weiru Wang, Yang Jing. Survey of Web Service Composition based on Genetic Algorithm. *Computer and Digital Engineering*. 2012(07).
- Ning Jin, Yilong Yang, Guoyong Duan and Jing Yang. Research of Completeness and Consistency Verification on Requirement Model. *ATISR* 2012.
- (Book)Jing Yang, Hua Yang, Yilong Yang, Guoyong Duan, Hao Zhu, Song Yang. Formal semantics of programming languages. Nanjing University Press. 2012.
- Guoyong Duan, Jing Yang, Yilong Yang. Content-Based Image Retrieval Research. *ICPST* 2011.
- Yilong Yang, Jing Yang. Design and Implementation of a multi-area distributed crawler based on Skipnet-YL network. *PACCS* 2011.

## **Engineering Projects**

- 2015.09 - 2016.08 Privacy-Preserving Distributed EHR Sharing System
- 2014.09 - 2015.08 Traditional Chinese Prescription Process, Analysis and Prediction
- 2013.08 - 2014.08 Service-oriented EHR Sharing System
- 2013.06 - 2013.07 Use Case Automated Generation by Z notation- ZtoZ3 Compile.
- 2013.01 - 2013.05 Ontology EHR Sharing System.
- 2013.01 - 2013.05 GitLab and Immigrate UNU-IIST's System to Fiber.
- 2011.09 - 2011.11 Mobile Security Partner. (Team Leader)
- 2010.01 - 2010.06 Design and Implementation of a multi-area distributed crawler based on SkipNet-YL network.
- 2009.11 - 2010.01 Design and Implementation of enterprise network based on Screened Subnet Architecture. (Team Leader)
- 2009.03 - 2009.06 Online examination system. (Team Leader)

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- 2009.04 - 2009.07 Full Text Search Engine. (Independent Development)
  - 2009.04 - 2009.06 Based on the multilevel security password encryption software. (cooperative development)
  - 2008.03 - 2008.06 Traffic light system. (Team Leader)
  - 2007.07 - 2008.07 P2P protocol simulation and load balance. (Team Leader)
  - 2007.06 - 2007-07 Implementation of load balance between server and switch. (Independent Development)