

## JYI-TA CHEN (陳志達)

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### Education

- PhD, Institute of Computer and Communication Engineering, National Cheng-Kung University, 2005/7
- Master, Department of engineering science, National Cheng-Kung University, 1990/6
- BBA, Department of Computer Engineering, National Chao-Tung University, 1985/6

### Area of Specialty

- Computer Network
- SOA(Web Service)
- Semantic Web
- Web Security
- Internet Application Development

### Academic Experience

- Professor, Department of Information Management, Southern Taiwan University of Science and Technology, 2015/08 to present
- Associate Professor, Department of Information Management, Southern Taiwan University of Science and Technology, 2006/2 to 2015/07
- Assistant Professor, Department of Information Management, Southern Taiwan University of Science and Technology, 2005/8 to 2006/1
- Instructor, Department of Information Management, Southern Taiwan University of Science and Technology, 1990/8 to 2005/7

### Journal Papers

1. Jyi-Ta Chen, "Achieving Intelligent Semantic Retrieval with AQL ontology", Information and Management Science, Vol. 13, No. 2, pp.35-58, Dec 2020.
2. Jyi-Ta Chen, Bo-jun Kuo, "Improving webpage capture performance with containerization technology", Information and Management Science, Vol. 13, No. 1, pp.37-55, Jul 2020.
3. Jyi-Ta Chen, "The Data Mining Research on Climate Change Based on SPARK Technology", Information and Management Science, Vol. 12, No. 2, pp.29-46, Dec 2019.
4. Jyi-Ta Chen, "Implementation and Difference Analysis of Web Service Communication Protocol", Information and Management Science, Vol. 11, No. 2, pp.19-31, Dec 2018.
5. Jyi-Ta Chen, Yu-Wei-Liu, "Effective Analysis and Evaluation of Hadoop Distributed Computing Models for Physical and Virtual Machines", Information and Management Science, Vol. 10, No. 2, pp.4-20, Dec 2017.

### Conference Papers

1. Jyi-Ta Chen, Hsien-Kuang Chiou, Bo-Nan Chen, "Development of news content classification and recommendation platform Based on FastText Scheme", The E-learning and Information Technology Symposium 2021, pp.21, May 2021.
2. Jyi-Ta Chen, Bo-Nan Chen, "Development of a news content classification and recommendation platform based on word vector scheme", Tanet 2020, Oct 2020.
3. Jyi-Ta Chen, Jon-Chi Yang, "An App Design for Eating Delicacy Again", 2020 National

Hospitality and Tourism Practice Conference, Jun 2020.

4. Jyi-Ta Chen, Chi-Jen Lee, "Research and Development of Patent Ontology Retrieval and Recommendation System", The 2020 Conference on Enterprise Competitiveness and Management, May 2020.
5. Jyi-Ta Chen, Ge-Lan Tsai, "The Development of FinTech Application with Chatbot Technology", The 2020 Conference on Enterprise Competitiveness and Management, May 2020.
6. Jyi-Ta Chen, Ge-Lan Tsai, "Developing a Chatbot System for Investment Consulting– Take Foreign Exchange As an Example", The 25th International Conference on Information Management and Practice, Dec 2019.
7. Jyi-Ta Chen, Chi-Jen Lee, "Designing a Patent Ontology with Retrieval and Recommendation Function Based on Semantic Web Scheme", The 25th International Conference on Information Management and Practice, Dec 2019.
8. Jyi-Ta Chen, Ya-Hui Wu, "The development of chatbots-PTT gossip board articles as knowledge base", Tanet 2019, Sep 2019.
9. Jyi-Ta Chen, Ze-Hao Lin, "Campus navigation chat robot with adjustable vocabulary", Tanet 2019, Sep 2019.
10. Jyi-Ta Chen, Bo-Yun Shi, "Patent document application that can automatically convert patent ontology and semantic query", Tanet 2019, Sep 2019.
11. Jyi-Ta Chen, Jian-Ming Kuo, Ze-Hao Lin, "Development of a chat robot for campus navigation with automatic addition of keywords", The 2019 Conference on Information Technology and Application, Jun 2019.
12. Jyi-Ta Chen, Bo-Jun Kou, "Applying Containerization scheme to improve webpage capture performance - taking book price comparison as an example", Conference on Information Technology and Application in Outlying Island, May 2019.
13. Jyi-Ta Chen, Hsien-Kuang Chiou, Jian-Ming Kuo, Zhao-Jun Chen, Bo-Yun Shi, "Desing an automatic patent ontology system with semantic search function", Information Management and Electronic Commerce Management, May 2019.
14. Jyi-Ta Chen, Ya-Hui Wu, "Developing an Intelligent ChatBot - Taking the Ordering System as An Example", 24th International Conference on Information Management & Practice, Dec 2018.
15. Jyi-Ta Chen, Jian-Ming Kuo, Ze-Hao Lin, "To Develop a campus navigation chatbot with community software as the user interface", IMIAI 2018, Nov 2018.
16. Jyi-Ta Chen, Bo-Jun Kou, "Research on Distributed Crawler System Based on Containerization Technology", Tanet 2018 Taiwan Academic Network Conference, Oct 2018.
17. Jyi-Ta Chen, Hsien-Kuang Chiou, Jian-Ming Kuo, Zhao-Jun Chen, Bo-Yun Shi, "An Automated Patent Ontology Creation & Retrieval System Based on Semantic Web Technology", Tanet 2018 Taiwan Academic Network Conference, Oct 2018.
18. Jyi-Ta Chen, Hsien-Kuang Chiou, Chong-Wu Chen, "Designing a License Examination Ontology with Semantic Query Using Semantic Web Approach", The E-learning and Information Technology Symposium 2018(EITS2018), pp.19, May 2018.
19. Jyi-Ta Chen, Jian-Ming Kuo, Yi-Jie Yang, "Providing the Semantic Query and Recommendation Function for Fruits Based on Semantic Web Scheme", Tanet 2017 Taiwan Academic Network Conference, Oct 2017.
20. Jyi-Ta Chen, Jian-Ming Kuo, Chong-Wu Chen, "Designing a License Examination Ontology with Semantic Query Using Semantic Web Approach", Tanet 2017 Taiwan Academic Network Conference, Oct 2017.
21. Jian-Ming Kuo, Jyi-Ta Chen, Jia-Fu Zhang, Zhang-Zhan Huang, Yi-Hua Chen, Zhao-Jun Chen, "A Travelling Ontology and Tourism Spot Recommendation System Based on Hadoop Distributed Processing Scheme", 2017 Conference on Information Technology and Applications in Outlying Islands, May 2017.
22. Jyi-Ta Chen, Hsien-Kuang Chiou, Yi-Hua Chen, "Designing An Air Pollution Ontology for Querying & Warning Base on Semantic Web Scheme", The E-learning and Information Technology Symposium 2017(EITS2017), pp.13, May 2017.

23. Jyi-Ta Chen, Hsien-Kuang Chiou, Wan-Ling Su,, "Implementation of Campus Network Security Management and Early Warning System Based on Semantic Web Scheme", The E-learning and Information Technology Symposium 2017(EITS2017), pp.6, May 2017.
24. Jyi-Ta Chen, Hui-Ru Chen, " Building a mining model for Big Data Based on Spark scheme: Take Climate Information as An Example", 2016 Conference on Information Management and Practice, Dec 2016.
25. Jyi-Ta Chen, Yi-Hua Chen, "Designing An Air Pollution Ontology for Querying & Warning Base on Semantic Web Scheme", Tanet 2016 Taiwan Academic Network Conference, Oct 2016.
26. Jyi-Ta Chen, Hui-Ling Wu, "An Expert System adopts MapReduce scheme to enhance inference speed for network attack detection", The 27th International Conference on Information Management, P.302, May 2016.
27. Jyi-Ta Chen, Hsien-Kuang Chiou, Yu-Wei Liu, "Analysis for Hadoop Computing Performance Based on Current Status Index of Network and System", The E-learning and Information Technology Symposium 2016(EITS2016), pp.14, Mar 2016.
28. Jyi-Ta Chen, Yan-Zhi Zeng, "Using Hadoop Distributed Computing for Big Data Analysis of Air Pollution", The E-learning and Information Technology Symposium 2016(EITS2016), Mar 2016.
29. Jyi-Ta Chen, Hui-Ling Wu, "Designing an Expert System for Detecting the Hacker Attacks Base on Approach of Hadoop Distributed Computing", 2015 International Conference on Information Management and Practice, Nov 2015.
30. Jyi-Ta Chen, Hui-Ru Chen, "Using Hadoop Distributed Computing Model with Real-time Data Analysis & mining for climate change Adaptation", 2015 International Conference on Information Management and Practice, Nov 2015.
31. Jyi-Ta Chen, Yu-Wei Liu, "Performance Evaluation of Hadoop distributed computing model", Tanet 2015 Taiwan Academic Network Conference, Oct 2015.
32. Jyi-Ta Chen, Yan-Zhi Zeng, "A Data Processing Model for Big Data Based on Hadoop Approach : An Example of Air Pollution", Tanet 2015 Taiwan Academic Network Conference, Oct 2015.
33. Jyi-Ta Chen, Jian-Ming Kuo, Zong-Han Yong, "A Climate Adaptation Countermeasure with Fuzzy Inference for Warning Conditions", The E-learning and Information Technology Symposium 2015(EITS2015), pp.35, Mar 2015.
34. Jyi-Ta Chen, Hsien-Kuang Chiou, Jun-Xiang Lai, "A Climate Adaptation Countermeasure System Based on Semantic Web Approach", The E-learning and Information Technology Symposium 2015(EITS2015), pp.25, Mar 2015.
35. Jyi-Ta Chen, Jian-Ming Kuo, Zong-Han Yong, "A Mobile Application for Climate Adaptation Countermeasure Based on Expert System and Web Service schemes", Tanet 2014 Taiwan Academic Network Conference, Oct 2014.
36. Jyi-Ta Chen, Jun-Xiang Lai, "Development of a Semantic Retrieval and Alert Notification of Enterprises Climate Adaptation Information System", Tanet 2014 Taiwan Academic Network Conference, Oct 2014.
37. Jyi-Ta Chen, Jian-Ming Kuo, Chun-Mi Chen, "To Enhance Recommendable Efficiency of Journal Submission System Based on Semantic Web Scheme", 2014 Symposium on Digital Life Technologies, Jun 2014.
38. Jyi-Ta Chen, Jian-Ming Kuo, Jia-Zhen Qi, "A Recommended system for Journal Submission Based on Semantic Web", 2014 International Symposium on Healthcare Information Management, pp. 168, Jun 2014.
39. Jyi-Ta Chen, Hsien-Kuang Chiou, Zhong-Wei Pu, "Use Hadoop Cloud Computing Architecture to Improve System Performance for Journal Submission Recommended System", The E-learning and Information Technology Symposium 2014(EITS2014), pp.35, Mar 2014.
40. Jyi-Ta Chen, Jian-Ming Kuo, Pei-Shan Wu, "An Information Retrieval System for Potted Plant Based on Semantic Web Scheme", The E-learning and Information Technology Symposium 2014(EITS2014), pp.16, Mar 2014.
41. Jyi-Ta Chen, Hsien-Kuang Chiou, Yi-Zhen Lee, "A POS Service Based on Semantic Web -As an

Example of a POS Software Company", The E-learning and Information Technology Symposium 2014(EITS2014), pp.18, Mar 2014.

42. Jyi-Ta Chen, Pei-Mei Chen, "Applying Semantic Web and XML Signature/Encryption to Private Cloud Platform for heterogeneous Data Intermediary and Semantic Search Model", 2013 National Computer Symposium(NCS2013), Dec 2013.
43. Jyi-Ta Chen, Jian-Ming Kuo, Jia-Zhen Qi, "A Decision Support System for Journal Submission Based on Semantic Retrieval Schemes", The 19th Conference on Information Management & Practice, pp.1853~1863, Dec 2013.
44. Jyi-Ta Chen, Hsien-Kuang Chiou, Yu-Ren Chen, "Software Desing and Performance Discussion about Manufacturing Execution System (MES) of Electro-Optical Industry Based on Cloud Computing Technology", The 19th Conference on Information Management & Practice, pp.2795~2808, Dec 2013.
45. Jyi-Ta Chen, Jian-Ming Kuo, Chun-Mi Chen, "An Adaptive Journal Recommendation System Based on Semantic Web Technology", 2013 The Industry Management and Information Application Innovation Conference, Nov 2013.
46. Jyi-Ta Chen, Hsien-Kuang Chiou, Zhong-Wei Pu, "A Journal Submission Recommendation System Based on Cloud Computing Schemes", 2013 The Industry Management and Information Application Innovation Conference, Nov 2013.
47. Jyi-Ta Chen, Jian-Ming Kuo, Yu-Shen Wu, "To Analysis the Cost and Execution Effects about Open Source Software Implementation for Enterprises", Tanet 2013 Taiwan Academic Network Conference, Oct 2013.
48. Jyi-Ta Chen, Jian-Ming Kuo, Yu-Shin Chen, "A Retrieving Research for Digital Teaching Materials Based on Semantic Web Scheme", 2013 Information Technologies, Applications and Management Conference, May 2013.
49. Jyi-Ta Chen, Hsien-Kuang Chiou, Pei-Mei Chen, "Using Semantic Web and Automated Tagging Approaches to Enhance Performance of Tourism Information Retrieval", The E-learning and Information Technology Symposium 2013(EITS2013), pp.30, Mar 2013.
50. Jyi-Ta Chen, Hsien-Kuang Chiou, Jue-Li Lu, "Setting Resource Balance Problems of VM in a Cloud Computing Infrastructure Based on Expert System Approach", The E-learning and Information Technology Symposium 2013(EITS2013), pp.10, Mar 2013.
51. Jyi-Ta Chen, Jian-Ming Kuo, Yu-Shen Wu, "A Study of Building an Enterprise Information Infrastructure with Low Cost by OSS", 2012 The 8th on Theories and Practices in International Business, pp.50, Nov 2012.
52. Jyi-Ta Chen, Hsien-Kuang Chiou, Pei-Mei Chen, "Through Semantic Analysis Technology and Ontology to Automatically Generate Semantic Tagging and to Enhance Accuracy of the Information Retrieval", Taiwan Academic Network Conference 2012, Oct 2012.
53. Jyi-Ta Chen, Jian-Ming Kuo, Yu-Shin Chen, "Applying the Semantic Web Technology to Enhance Effectiveness of Materials Establishing and Retrieving for E-Learning", Taiwan Academic Network Conference 2012, Oct 2012.
54. Jyi-Ta Chen, Hsien-Kuang Chiou, Jue-Li Lu, "To solve the Resource & Load Balance problems of Cloud Computing with Expert System Approaches", Taiwan Academic Network Conference 2012, Oct 2012.
55. Jyi-Ta Chen, Hsien-Kuang Chiou, Zhao-Lin Liu, "A Course Design Based on Semnatic Web -As an Example of Computer Science", The E-learning and Information Technology Symposium 2012(EITS2012), pp.1, Mar 2012.
56. Jyi-Ta Chen, Hsien-Kuang Chiou, Yong-Liang Zhu, "To Explore the Features of Communication Technologies for Implementation of Web Services", The E-learning and Information Technology Symposium 2012(EITS2012), pp.13, Mar 2012.
57. Jyi-Ta Chen, Jian-Ming Kuo, Si-Fan Ho, "Using the Semantic Web & Data Mining Schemes to Filter Pornography Webpages", 2012 Information Education and Technological Application Conference, pp.B3-14-pp.B3-21, Mar 2012.
58. Kan-Chen Xie, Jyi-Ta Chen, Hsien-Kuang Chiou, "A Medical Treatment Recommendation System

- Base on Semantic and Ontology Approach", 2012 Information Education and Technological Application Conference, pp.B3-1-pp.B3-7, Mar 2012.
59. Jyi-Ta Chen, Hsien-Kuang Chiou, Jhih-Hong Siou, "Build a Private Cloud Model Based on the Approach of Desktop as a Service", The 17th Conference on Information Management and Practice, P.178, Dec 2011.
  60. Jyi-Ta Chen, Jian-Ming Kuo, Si-Fan Ho, "To Enhance the Pornography Webpage Filtering Mechanism Based on Semantic Analysis & Ontology Approaches", Industrial information application seminar, P. 14, Oct 2011.
  61. 41. Jyi-Ta Chen, Jian-Ming Kuo, Kan-Chen Xie, "Designing a Medical Treatment Recommendation System for Outpatients Based on Semantic Web Schemas", Industrial information application seminar, P. 19, Oct 2011.
  62. 42. Jyi-Ta Chen, Hsien-Kuang Chiou, Jhih-Hong Siou, "A Impact Research of Agile Application Lifecycle Management Solutions for Customer Value And Development Risk", 2010 Joint Conference on Object-Oriented Technology and Applications (OOTA) and Software Engineering (TCSE), P.27, July 2011.
  63. 43. Jyi-Ta Chen, Bo-Zhong Chen, "To Share and Evaluate Shopping Information Based on Tagging and Social Bookmark Approach", 2011 The Fourth Information Education and Technological Application Conference, P.B-47~B.54, Mar 2011.
  64. 44. Jyi-Ta Chen, Jing-Xu Tsai, "Using Semantic Web Approach to Retrieve the Reference Relationships among Papers", 2011 4th Information Technology Application Conference, P.195-201, Jan 2011.
  65. 45. Jyi-Ta Chen, Deng-Yuan Cheng, "A Real-time Learning Content Management System-Based on RSS Shceme", 2010 International Symposium on E-learning and Innovation Application, Dec 2010.
  66. 46. Jyi-Ta Chen, Jun-Hong Wang, "Using LBS and Context-aware schemes to Enhance Bluetooth Application System", 2010 NTCB Conference on Information Management and Practice, P.174-180, Dec 2010.
  67. 47. Jyi-Ta Chen, Yun- Ru Liu, "Upgrading Retrieval Performance for Digital Archive System Based on RSS Approach", The 16th Conference on Information Management and Practice, P.9, Dec 2010.
  68. 48. Jyi-Ta Chen, Deng-Yuan Cheng, "A Real-time teaching material Authoring System Based on RSS scheme", The 16th Conference on Information Management and Practice, P.143, Dec 2010.
  69. 49. Jyi-Ta Chen, Jing-Xu Tsai, "Using Semantic Web Approach to Retrieve the Reference Relationships among Papers", The 11th Conference on Information Management and New Technologies, Nov 2010.
  70. 50. Jyi-Ta Chen, Hsien-Kuang Chiou, Gian-Xun Hunag, "Using Real-time Security Certification Approach to Protect Patient Privacy", The 12th Conference Cyber Space: Cyber Security, Cyber Crime and Cyber Law Society, P. 56, Nov 2010.
  71. 51. Jyi-Ta Chen, Xuan-Min Chen, "Increasing Security of VOIP Based on Dual Certification System", 2010 Information Management and Communication Technology Conference, Oct 2010.
  72. 52. Jyi-Ta Chen, Ge-Ji Lin, "A FMEA Automatic Feedback System Based on Semantic Web Technology", 2010 Information Management and Communication Technology Conference, Oct, 2010.
  73. 53. Jyi-Ta Chen, Hsien-Kuang Chiou, Gian-Xun Hunag, "A Security Certification Mechanism for Medical Information Access and Patient Privacy", 2010 Information Management and Communication Technology Conference, Oct 2010.
  74. 54. Jyi-Ta Chen, Ge-Ji Lin, "A FMEA Automatic Feedback System Based on Ontology Scheme", 7th Conference of Service Management and Innovation, P.53, Oct 2010.
  75. 55. Jyi-Ta Chen, Gian-Hui Chen, "Developing a KM Management System Based on Semantic Web Scheme", 7th Conference of Service Management and Innovation, P.135, Oct 2010.
  76. 56. Jyi-Ta Chen, Xuan-Min Chen, "Increasing Security of VOIP Based on Authentication and Encryption System" , 2010 4th The Academic and Practical Research of Innovation

Administration Conference, P.51, June 2010.

77. 57. Jyi-Ta Chen, Xuan-Min Chen, "Increasing Security of VOIP Based on IP Address", The E-Learning and Information Technology Symposium 2010, P1, Mar 2010.
78. 58. Jyi-Ta Chen, Rong-Hong Yang, Hsien-Kuang Chiou, "Document Workflow Management Based on BPEL Approach - the Electronic Documents as an Example", 2009 3th Information Technology Application and Research Conference, P.9-14, Dec 2009.
79. 59. Jyi-Ta Chen, Xin-Han Fang, Hsien-Kuang Chiou, "Adopting Mashup Service to Integrate Network Community & Geography Information System", The 2009 Conference on Computer Science and Information Engineering Application, P.181-P.189, Dec 2009.
80. 60. Jyi-Ta Chen, Cai-Fu Huang, Hsien-Kuang Chiou, "Construct a Medical Conformable Information Service System Using Service-Oriented Architecture", The 2009 Conference on Computer Science and Information Engineering Application, P.158-P.165, Dec 2009.
81. 61. Jyi-Ta Chen, Xin-Han Fang, "Intermediating the Internet Mashup Service for the Network Community and 3D Geography Information", 2009 Workshop on Consumer Electronics, P.497-P.504, Nov 2009.
82. 62. Jyi-Ta Chen, Bao-Qin Qiu, "Intermediating Heterogeneous Database and XML for a Lively Health Information Exchange System", The Proceedings of Taiwan Academic Network Conference 2009, P.1288, Oct 2009.
83. 63. Jyi-TA Chen, Rong-Hong Yang, "Document Workflow Management Base on BPEL Approach - the Electronic Documents as an Example", The Proceedings of Taiwan Academic Network Conference 2009, P.1100, Oct 2009.
84. 64. Jyi-TA Chen, Yi-Chang Lee, "Combine RSS Applications with Location-based Service in Mobile Campus System", The E-Learning and Information Technology Symposium 2009, P.35, April 2009.
85. 65. Jyi-Ta Chen, We-Yin Huang, "Using RSS and Collection Template Scheme to Develop an Infomediary System for "Heterogeneous Information", 2008 Workshop on Consumer Electronics, P.649-P.655, Dec, 2008.
86. 66. Jyi-Ta Chen, We-Yin Huang, "An Customize Infomediary System for Heterogeneous Information Based On Collection Template Approach", 14th Conference on Information Management and Practice, P.16, Dec, 2008.
87. 67. Jyi-Ta Chen, Ji-Bin Chun, "Using Semantic Web and User Behavior Analysis to Enhance Web Browsing Security", The second Information Education and Technological Applications Conference, P.442-P.447, Nov, 2008.
88. 68. Jyi-Ta Chen, Ji-Bin Chun, "Applying Semantic Web and User Behavior Analysis to Enforce the Intrusion Detection System", The Proceeding of Taiwan Academic Network conference 2008, P.301-P.306, Oct, 2008.
89. 69. Jyi-Ta Chen, I-Chun Lee, "A Mobile Campus Development with Location-based Service and RSS Applications", The Proceedings of Taiwan Academic Network Conference 2008, P.779-P.784, Oct, 2008.
90. 70. Jyi-Ta Chen , Jion-Zhou Ke, " A Retrieval System with Annotation Feedback Based on Ontology", 2008 International Conference of Information Technology, pp. 134, April 25, 2008.

#### **Dissertation**

- Chen, Jyi-Ta (2005) "Embedding Lively Contents in XML Objects for a Content Syndication and Event Notification System", Ph.D. Dissertation, National Cheng Kung University

#### **Books**

- 1. Roaming in Data Structure-Using C Language(Scholars Book Co. Ltd), Mar 2005.

#### **Professional Certifications**

1. TQC-plus: Key Knowledge of IoT Development Certification, License ID: 232200800000610, 2020/08/06.

2. TQC-DK: AI Application and Technology - Professional, License ID: 132190800001800, 2019/08/01.
3. Microsoft Technology Associate: Introduction to Programming using Python, Certificate NO: vpRx-uTYE, 2018/12/02.
4. IC3 Digital Literacy Certification: Computing Fundamentals, License ID: wv2UQ-fmKx, 2017/04/22.
5. IC3 Digital Literacy Certification: Living Online, License ID: QmCu-4Tmm, 2017/04/22.
6. TQC-OA: Cloud Technology and Internet Services - Professional, License ID: 132160800001660, 2016/08/05.
7. TQC-DK: IOT Application and Technology - Advanced, License ID: 132160700010530, 2016/07/01.
8. TQC-DK: IOT Application and Technology - Professional, License ID: 132160700010840, 2016/08/01.
9. Microsoft Technology Associate: HTML5 Application Development Fundamentals, Certificate NO: F430-0808, 2015/10/15.
10. Microsoft Technology Associate: Windows Operating System Fundamentals, Certificate NO: F424-3539, 2015/10/07.
11. CSF: e\_Enterprise Data Analysis Certification: Big Data Process and Analysis, Certificate NO: 431150800000100, 2015/08/07.
12. TQC-OA: Mobile Device Application Advanced, License ID: 132150700028390, 2015/07/02.
13. CEPRS: Fundamentals of APP for eBusiness, Certificate ID: CERPS1504506, 2015/05.
14. TQC-OA: Cloud Technology and Internet Services-Professional, License ID: 132140700013670, 2014/06/27.
15. TQC-OA: Mobile Device Application Professional, License ID: 132140800012340, 2014/08/05.
16. TQC+: Webpage Program Design Certification, License ID: 232130900000680, 2013/09/05.
17. e-Enterprise Planner Certification: Information Security and Law, Certificate No. 43112110001410, 2012/11/12.
18. Information Technology Expert-Linux Administration IT Expert, Certificate No. 311121100000030, 2012/11/08.
19. Information Technology Expert-Linux Advanced System Administration, Certificate No. 332120900000250, 2012/08/31.
20. Information Technology Expert-Linux Basic Operation, Certificate No. 332120900000240, 2012/08/31.
21. TQC-IP(Image Processing)-Photoshop CS4 Image Processing, Techficiency Quotient Certification, 2012/08/13.
22. Microsoft Technology Associate:Security Fundamentals, Certification No:D689-7888, 2012/03/18.
23. TQC-WD(Web Design)-Dreamweaver CS4 Web Design, Techficiency Quotient Certification, 2011/12/24.
24. Microsoft Technology Associate:Windows Server Administration Fundamentals, Certification No:D669-0023, 2011/12/18.
25. E-Enterprise Planner Certification—Internet Marketing, No:EP-00827-0014, computer skills Foundation, 2011/09/15.
26. Cloud Computing Technology Information Administrator, No:AF23RU2U0071511, Industrial Technology Research Institute, 2011/07/15.
27. Microsoft Technology Associate:Networking Fundamentals, 2011/05/01.
28. Microsoft Technology Associate:Software Development Fundamentals, 2011/05/01.
29. Microsoft Technology Associate:Database Administration Fundamentals, 2011/05/01.
30. TQC-OA(Office Application)-IE 6.0 Professional, Techficiency Quotient Certification, 2010/05/08.
31. TQC-DK(Domain Knowledge)--Fundamentals of e-Commerce, Techficiency Quotient Certification, 2010/05/08.

32. E-Enterprise Expert Certification, NO: AP-15409-0116, computer skills Foundation, 2010/05/31.
33. Customer Relationship Management Assistant., NO: L2010CRMA03008, The General Chamber of the R.O.C, 2010/03/28.
34. Project Administrator Core Knowledge Certification, NO:00440, computer skills Foundation, 2009/06/20.
35. TQC-DK(Domain Knowledge)--Fundamental of Project Management- Professional Level, Techficiency Quotient Certification, 2009/05/24.
36. ACA web communication dreamweaver 8, Adobe Certified Associate, 2009/04/01.

## Professional Experience

- Programmer, Shin-nan Information System Development Company, Kaohsiung, Working experience, 1987/7 to 1988/6

## Grants

1. "Research on Constructing a Distributed Crawler System Based on Containerization Technology", MOST 109-2637-H-218-001 , Ministry of Science and Technology , 08/01/2020~07/31/2021 .
2. "To Design a Cloud Information Platform for Disaster Management Based on Semantic Web and Spatial Information schemes" , MOST104-2119-M-218-001 , Ministry of Science and Technology , 01/01/2015~12/31/2015 .
3. "Designing an Intelligent Hybrid Cloud System Based on Desktop as a Service and Security Approaches" , NSC102-2221-E-218-033 , Ministry of Science and Technology , 08/01/2012~07/31/2013 .
4. "Applying Semantic Web and XML Signature/Encryption to Private Cloud Platform for heterogeneous Data Intermediary and Semantic Search Model", NSC101-2221-E-218-051 , Ministry of Science and Technology , 08/01/2011~07/31/2012 .

## Entrusted Practical Projects

1. Climate adaptation risk strain system establishment project-“Construction of Meteorological Data Real - time Monitoring and Management Cloud System Platform”, China Iron and Steel Company, NO: 331040451, 08/01/2015 ~07/31/2016 .
2. “Meteorological data for real-time monitoring and management of cloud system platform , Ministry of Economic Affairs academic energy project plan , NO : 521030184, 01/01/2014~12/31/2014 .
3. “Meteorological data for real-time monitoring and management of cloud system platform , Ministry of Economic Affairs academic energy project plan , NO : 331020088, 08/01/2013~12/31/2013 .
4. “Customer intimate interactive services integration planning system to build the physical plan” , Jiaying Environmental Technology Co., Ltd , 101/04/16~101/11/30 .

## Honors and Awards

1. The Best Paper, Jyi-Ta Chen, Hsien-Kuang Chiou, Yu-Wei Liu, “Analysis for Hadoop Computing Performance Based on Current Status Index of Network and System”, The E-learning and Information Technology Symposium 2016(EITS2016), pp.14, Mar 2016.
2. The Best Paper, Jyi-Ta Chen, Yan-Zhi Zeng, “Using Hadoop Distributed Computing for Big Data Analysis of Air Pollution”, The E-learning and Information Technology Symposium 2016(EITS2016), pp.33, Mar 2016.
3. The Best Paper, Jyi-Ta Chen, Hsien-Kuang Chiou, Jun-Xiang Lai, “A Climate Adaptation Countermeasure System Based on Semantic Web Approach”, The E-learning and Information Technology Symposium 2015(EITS2015), pp.25, Mar 2015.
4. The Best Paper, Jyi-Ta Chen, Hsien-Kuang Chiou, Zhong-Wei Pu, “Use Hadoop Cloud Computing Architecture to Improve System Performance for Journal Submission Recommended System”,



- The E-learning and Information Technology Symposium 2014(EITS2014), pp.35, Mar 2014.
5. The Best Paper, "Using the Semantic Web & Data Mining Schemes to Filter Pornography Webpages", 2012 Information Education and Technological Application Conference, pp.B3-14-pp.B3-21, Mar 2012.
  6. The Best Paper, "Increasing Security of VOIP Based on Dual Certification System", 2010 Information Management and Communication Technology Conference, Oct 2010.
  7. The Best Paper, "Adopting Mashup Service to Integrate Network Community & Geography Information System", The 2009 Conference on Computer Science and Information Engineering Application, P.181-P.189, Dec 2009.
  8. The Best Paper, "A Mashup Approach to Develop a Location-Aware Real-Time Mobile Information System", 2007 Information Education and Technology Application Conference, pp.358-363, November 6, 2007.
  9. The Best Paper, " An Event Notification and Content Syndication System based on XML Information Object", Proc. NCS 2005 , pp.33, 2005.

## Patents

1. Data mining method for integrating climate and air pollution data for respiratory disease prevention, ROC, I582718, CHEN,JYI-TA 、CENE,I-HUA 、 GUO,GEN-MING, 2017/05~2036/06 。
2. Vendor meteorological evaluation analysis system, ROC, I543099, CHEN,JYI-TA 、LAI,CHUN-HSIANG 、 GUO,GEN-MING, 2016/07~2034/04 。
3. Integrated meteorological analysis of tourist attractions recommendation and warning system, ROC, I532004, CHEN,JYI-TA 、HUILING, WU 、 GUO,GEN-MING, 2016/05~2035/06 。
4. CLOUD-BASED PERIODICAL RECOMMENDATION SYSTEM AND OPERATION METHOD, ROC, I524196, CHEN,JYI-TA 、 GUO,GEN-MING 、 PU, CHUNG WEI, 2016/03~2034/01 。
5. VISION TESTING SYSTEM, ROC, I501751, CHEN,JYI-TA 、 GUO,GEN-MING 、 TENG, CHI FEN 、 LAI, YU JHU 、 LIN, SZU YU, 2015/10~2033/01 。
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