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Dong Han

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WORK/INTERN EXPERIENCE

Software Engineer **Med Data Quest, San Diego, CA** **Jan. 2015 – Oct. 2015**

- Worked as volunteer. Cooperated remotely with team members.
- Achieved effective teamwork, and efficient communications.
- Implemented an oncology data querying APP, "OncoWuXi," on Android Platform.
- Ionic, an AngularJS based framework, was applied as a fundamental solution in the development.

Research Assistant **Johns Hopkins Medical Institution** **Dec. 2014 – Aug. 2015**

- Completed research in multi-functional biomedical imaging genetics using linear regression method.
- Found 3 genotypes that have significant correlations with onset of Alzheimer's disease.
- The study has been published in the *Journal of Nuclear Medicine* (May 1, 2015, vol. 56)
- Python was used for medical data processing and statistical analysis.

Software Engineer, Intern **Microsoft Corporation, Beijing, China** **Jun. 2010 – Dec. 2010**

- Practiced agile software development for an intern project.
- Designed and Implemented trip management system to support web based itinerary arrangements.
- C#, SharePoint SDK, InfoPath, Microsoft SQL Database were used.

EDUCATION

Rochester, MI **Oakland University** **Sep. 2012 – Present**

- GPA: 3.91/4.00
- Graduate student in Computer Science, School of Engineering and Computer Science
- Completed research in datacenters energy optimization, and context-aware distributed storage.

Beijing, China **Peking University** **Sep. 2008 – Jul. 2011**

- GPA: 3.58/4.00
- Master of Science in Software Engineering
- School of Software and Microelectronics

Hefei, China **Anhui University** **Sep. 2004 – Jul. 2008**

- Bachelor of Science in Software Engineering
- School of Computer Science and Technology

PROJECT EXPERIENCE

• **Android Game Engine** (2009 – 2010): Developed a 2D real-time game engine, particularly optimized for Android phones. Released 2 mobile games based on the engine: AdventRush, and Kapow.
Tools: **Java, Android SDK, OpenGL Embedded Systems (ES), SVN, Eclipse IDE.**

• **Web Application of Pollution Control** (2008): Web based portal for supervising major pollutions, allowing users to open cases online, and environmental protection agency to process the cases.
Tools: **Java, struts, spring, hibernate, Apache Tomcat, SQL Database.**

- **Mini-Java Compiler** (2008): A compiler for a subset of Java language was implemented upon Object-Oriented design. The study was awarded “The Outstanding Undergraduate Thesis.” Tools: *Java, JTB*.

AWARDS

- **Certificate of Merit** for outstanding academic achievement in courses at Oakland University:
 - “Algorithm and Complexity” (Winter 2013)
 - “Numerical Methods” (Fall 2013).
- **First place** in the Game Design Competition (2010) for the China Academy Awards.
- Second place of Dare to be Digital Game Development Competition (Apr. 2009) in China.
- **IBM Chinese University Programming Competition** (2009), Community Contribution Prize.
- Third-class Scholarship three times (2006 – 2008) in Anhui University, China.
- Second place of Web Application Design Competition (Jun. 2006) in Anhui University, China.

TEACHING EXPERIENCE

Teaching Assistant at Oakland University	Course
• Jan. 2016 – Apr. 2016	Information Security Practice (CIT 448) Introduction to Computer Networks (CIT 247)
• Sep. 2015 – Dec. 2015	Information Security Practice (CIT 448) Wireless & Industrial Networks (CSE 549)
• Jan. 2014 – Apr. 2014	Interactive Web Systems (CSE/CIT 252)
• Sep. 2013 – Dec. 2013	Interactive Web Systems (CSE/CIT 252)
• Sep. 2012 – Dec. 2012	Introduction to C Programming & Unix (CSE 142)

PUBLICATION

- **Dong Han**, Ye Yan, and Tao Shu, “Context-aware distributed storage in mobile cloud computing,” IEEE Globecom 2015 workshop (full paper), Dec. 2015, San Diego, USA.
- **Dong Han**, Ye Yan, and Tao Shu, “Context-aware distributed storage in mobile cloud computing,” IEEE MASS 2015 (abstract poster), Oct. 2015, Dallas, USA.
- **Dong Han**, Xueqi Chen, Haoyin Cao, and Yun Zhou, “Multi-functional PET imaging genetics in Alzheimer’s disease,” SNMMI 2015 (abstract poster, **Third place award**), Jun. 2015, Baltimore, USA.
- **Dong Han** and Tao Shu, “Thermal-aware energy-efficient task scheduling for DVFS-enabled data centers,” IEEE ICNC 2015 (full paper), Feb. 2015, Anaheim, USA.
- Xueqi Chen, Yun Zhou, Rongfu Wang, Haoyin Cao, Savina Reid, Rui Gao, and **Dong Han**, “Potential Clinical Value of Multiparametric PET in the Prediction of Alzheimer’s Disease Progression,” PLoS ONE 11(5), 2016.
- Xinhui Wang, Yanhua Wang, **Dong Han**, Wei Deng, Leslie Ying, and Jing Tang, “Improved Myocardial Perfusion PET Imaging with MRI Learned Dictionaries,” IEEE NSS/MIC 2014 (full paper), Nov. 2014, Seattle, USA.
- Xuelian Hu and **Dong Han**, “The Design, Implementation and Application of MiniJava/AD as an Object-oriented Compiler Teaching Model,” IEEE ICCSE 2009 (full paper), Jul. 2009, Nanning, China.

TECHNICAL SKILLS

• Programming languages	<i>Java (proficient), C/C++ (expert), C# (prior experience), Python (familiar)</i>
• Intelligent computing	<i>Machine Learning algorithms, Data Mining methods</i>
• Research knowledges	<i>Linear Programming, Convex Optimization</i>
• Basic skills	<i>Data Structures and Algorithms, SQL Database</i>
• Mobile development	<i>Android SDK. Cross-platform: PhoneGap (Cordova), Ionic framework</i>
• Computer graphics	<i>OpenGL, DirectX</i>
• Tools	<i>Git, SVN, Eclipse, Vim, Latex, Matlab</i>