








Wei-Chen Chen

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Profile	Versatile software engineer seeking a full-time position in a software development firm, preferably in data visualization and analysis, ubiquitous/mobile computing, and backend system development	
Experience	Software Engineer (Intern) Google, Mountain View, CA • Designed algorithms to recognize the footprint of significant WiFi change on android devices while the context alters in indoor environments	Summer 2015 
	Research Assistant Visualization Lab, Madison, WI • Worked with Dr. Gleicher on a project aiming for large-scale corpus visualization • Developed pipeline tools for processing and parsing electronic text editions of early print books such as spelling modernization and data-format reorganizing	Jan 2015 – present 
	Teaching Assistant University of Wisconsin-Madison, Madison, WI • Conducted lab sections to teach student how to program in Java and implement systems with objective-oriented concept • Assisted to design intriguing assignments and grading rubrics	Aug 2014 – Jan 2015 
	Research Assistant Intel-NTU Connected Context Computing Center, Taipei, Taiwan • Implemented real-time systems, which Integrated heterogeneous system components such as wireless sensor network devices, actuators, and servers • Designed the web interface for information visualization and user feedback collection in an interactive home environment	2012 – 2014 
	Corporal of Military Police National Military Service, Taipei, Taiwan	2011 – 2012 
Education	University of Wisconsin–Madison Master of Science – Computer Sciences Full paid of tuition through guaranteed Graduate Assistantship of 50% TA GPA: 3.75/4.0	expected May 2016 
	National Taiwan University Bachelor of Science – Computer Science and Information Engineering Major GPA: 4.0/4.0, Overall GPA: 3.85/4.0	2011 
	Relevant Courses Advanced Machine Learning Numerical Methods Software Design Pattern Data Visualization Human Computer Interaction Parallel Computing Database Management System Digital Signal Processing Unix-like System Programming	
Skills	Programming C/C++, Java, Python, Ruby, JavaScript, HTML, CSS, SQL	
	Platforms Unix-like Systems, Mac OSX, Windows	
	Languages English (fluent), Mandarin Chinese (native)	
Honors	Hong-Wen and Cheen Liao Graduate Scholarship Granted by University of Wisconsin–Madison	2014
	Presidential Award Ranked within the top 5% GPA in the CS Dept. of National Taiwan University	2009

Publications **Context-Aware Energy Saving System with Multiple Comfort-Constrained Optimization in M2M-based Home Environment**

*Ching-Hu Lu, Chao-Lin Wu, Mao-Yuan Weng, **Wei-Chen Chen**, and Li-Chen Fu*

IEEE Transactions on Automation Science and Engineering, vol.PP, no.99, pp.1, 2015

An Efficient Data Storage Method of NoSQL Database for HEM Mobile Applications in IoT

***Wei-Chen Chen**, Ya-Hung Chen, Chao-Lin Wu, and Li-Chen Fu*

IEEE International Conference on Internet of Things, 2014

Anticipatory Reasoning for a Proactive Context-aware Energy Saving System

*Chao-Lin Wu, **Wei-Chen Chen**, Ching-Hu Lu, and Li-Chen Fu*

IEEE International Conference on Internet of Things, 2014