








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	Summer 2015 	
	<ul style="list-style-type: none">Designed algorithms to detect significant WiFi changes on android devices while the context alters		
	Research Assistant Visualization Lab, Madison, WI	Jan 2015 – present 	
	<ul style="list-style-type: none">Worked with Dr. Gleicher on a project aiming for large-scale corpus visualizationDeveloped pipeline tools for processing and parsing electronic text editions of early print books such as spelling modernization and data-format reorganizing		
	Teaching Assistant University of Wisconsin-Madison, Madison, WI	Aug 2014 – Jan 2015 	
	<ul style="list-style-type: none">Conducted lab sections to teach student how to program in Java and implement systems with objective-oriented conceptAssisted to design intriguing assignments and grading rubrics		
	Research Assistant Intel-NTU Connected Context Computing Center, Taipei, Taiwan	2012 – 2014 	
	<ul style="list-style-type: none">Implemented real-time systems, which Integrated heterogeneous system components such as wireless sensor network devices, actuators, and serversDesigned the web interface for information visualization and user feedback collection in an interactive home environment		
	Corporal of Military Police National Military Service, Taipei, Taiwan	2011 – 2012 	
Education	University of Wisconsin–Madison Master of Science – Computer Sciences	expected May 2016 	
	Full paid of tuition through guaranteed Graduate Assistantship of 50% TA GPA: 3.75/4.0		
	National Taiwan University Bachelor of Science – Computer Science and Information Engineering	2011 	
	Major GPA: 4.0/4.0, Overall GPA: 3.85/4.0		
	Relevant Courses		
Skills	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
	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