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| <b>Objective</b>       | Intern or co-op opportunity in a software development firm, preferably in web application development (both front-end and back-end), data analysis/machine learning, data visualization, and system programming   |
| <b>Education</b>       | <p><b>University of Wisconsin-Madison</b>, Madison, WI<br/><b>M.S. Computer Sciences</b>, expected May 2016<br/>Full paid of all tuition through Graduate Assistantship of 50% TA (20 hours/week)<br/><i>Courses: Artificial Intelligence, Human-computer Interaction</i></p> <p><b>National Taiwan University</b>, Taipei, Taiwan<br/><b>B.S. Computer Science and Information Engineering</b>, Jun 2011<br/>Major GPA: 4.0/4.0, Overall GPA: 3.85/4.0<br/><i>Significant Courses: Machine Learning, Numerical Methods, Software Design Pattern, Database Systems, Parallel Programming</i></p>  |
| <b>Experience</b>      | <p><b>University of Wisconsin-Madison</b>, Madison, WI<br/><b>Teaching Assistant</b>, Aug 2014 - present</p> <ul style="list-style-type: none"><li>• Conducted lab sections to teach student how to program and implement systems.</li><li>• Assisted to design the assignments and graded them.<br/>Required excellent time management and strong understanding of knowledge.</li></ul> <p><b>Intel-NTU Connected Context Computing Center</b>, Taipei, Taiwan<br/><b>Research Assistant</b>, Aug 2012 - May 2014</p> <ul style="list-style-type: none"><li>• Managed the data analysis and implemented real-time systems, which Integrated heterogeneous system components such as wireless sensor network devices, actuators, and servers.</li><li>• Designed the web interface for information visualization and user feedback collection in an interactive home environment.</li></ul> |
| <b>Projects</b>        | <p><b>M2M-based Context-aware Home Energy Saving System</b>, Aug 2012 - May 2014<br/><i>Principal Investigator: Prof. Li-Chen Fu</i></p> <ul style="list-style-type: none"><li>• Built up the real-time system in a home environment to evaluate the proposed energy saving system, which was originally a simulation system</li><li>• Contributed to the data analysis and system implementation in related publications' experiments</li><li>• Set up and Managed the servers in the lab as network administrator</li></ul>   |
| <b>Computer Skills</b> | C, C++, Java, Python, Ruby, Matlab, SQL, HTML, CSS, JavaScript, Unix-like Systems   |
| <b>Languages</b>       | English (fluent), Mandarin Chinese (native)   |
| <b>Awards</b>          | <p><b>Hong-Wen and Cheen Liao Graduate Scholarship</b>, 2014<br/>Granted by University of Wisconsin-Madison</p> <p><b>Presidential Award</b>, 2009<br/>Ranked within the top 5% GPA in the CS Dept. of National Taiwan University</p>   |
| <b>Publications</b>    | <p>Ching-Hu Lu, Chao-Lin Wu, Mao-Yuan Weng, <u>Wei-Chen Chen</u>, and Li-Chen Fu, "Context-Aware Energy Saving System with Multiple Comfort-Constrained Optimization in M2M-based Home Environment", <i>IEEE Transaction on Automation Science and Engineering</i> (submitted)</p> <p><u>Wei-Chen Chen</u>, Ya-Hung Chen, Chao-Lin Wu, and Li-Chen Fu, "An Efficient Data Storage Method of NoSQL Database for HEM Mobile Applications in IoT", <i>2014 IEEE International Conference on Internet of Things</i></p> <p>Chao-Lin Wu, <u>Wei-Chen Chen</u>, Ching-Hu Lu, and Li-Chen Fu, "Anticipatory Reasoning for a Proactive Context-aware Energy Saving System", <i>2014 IEEE International Conference on Internet of Things</i></p>   |