

<b>Summary</b>	<p>Experienced in full stack web development, especially cross-platform/browser mobile applications. Responsible for training, giving technical speeches and supervising team developing paradigms.</p> <p>Hopes to focus more on backend data modeling and processing in future career.</p>
<b>Work Experience</b>	<p><b>Senior Program Analyst</b></p> <p>Galaxy Software Services Corporation, Taipei, Taiwan– Sep. 2012 - Present</p> <ul style="list-style-type: none"> <li>• Executing deployment within various environments. (e.g., windows server or linux, combines with PostgreSQL, mssql or mysql)</li> <li>• Evaluating and integrating new techniques for team. Foreseeing potential obstructions in the early phase of development.</li> <li>• Improving the workflow of development using productivity tools. (e.g., reduce 20% compile time by adjusting ant script)</li> <li>• Promoting code quality by adapting static code analysis tools in different phrases. (e.g., reduce 20% technical debt in 2 months)</li> </ul>
<b>Projects</b>	<p><b>Enterprise Search Project, Project Leader</b> – Nov. 2014 - Present</p> <ul style="list-style-type: none"> <li>• Adapting multiple content repositories into one search engine using <b>ManifoldCF</b> and <b>Solr</b>.</li> <li>• Filtering search results by user's permission.</li> </ul> <p><b>weMoin, Project Leader</b> – March 2013 - Nov. 2014</p> <ul style="list-style-type: none"> <li>• Hybrid mobile application built by <b>Phonegap</b>, <b>require.js</b>, <b>dust.js</b> and <b>native javascript</b>. Runs on Android and iOS.</li> <li>• Dealing with concurrent requests and sync states to multiple client-side using <b>Atmosphere Framework</b>.</li> </ul> <p><b>teamKube, Project Participant</b> – Sep. 2012 - March 2013</p> <ul style="list-style-type: none"> <li>• Multi-tier system built by Spring Framework. Communicating with web services and message system between tiers.</li> <li>• Able to be deployed as distributed environment.</li> <li>• Server-side component-based rendering using Apache Wicket.</li> </ul>
<b>Education</b>	<p><b>National Chengchi University</b>, Department of Computer Science, Taipei Master of Science, Sep. 2011. Major: <b>Programing Languages and Software Methodology</b></p> <p><b>National Chengchi University</b>, Department of Mathematical Sciences, Taipei Bachelor of Science, Sep. 2009. Major: <b>Mathematics</b>.</p>
<b>Publications</b>	<p>Huang Wen-Kai, <b>A Protocol Description Language for Secure Multi-Party Computation</b>, National Chengchi University Libraries, 2011</p> <ul style="list-style-type: none"> <li>• Designing an external domain-specific language, PDL(Protocol Description Language), aimed for secure multi-party computation.</li> <li>• Implementing a compiler to compile PDL into Ruby using Ruby</li> <li>• Verifying PDL's correctness and security by modeling security as an Lattice-Structure using static analysis techniques.</li> </ul>
<b>Languages</b>	<p>HTML, JavaScript, sass, Java, Groovy, Ruby, LISP</p> <p>Proficient in English, Mandarin and Taiwanese</p>