

# An-Tai (Clyde) Li

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<http://about.clydeli.com/#!p=vitae>

## Education

<b>Carnegie Mellon University (CMU)</b> Master of Science in Software Engineering	Expected August 2013
<b>National Taiwan University (NTU)</b> Bachelor of Science in Electrical Engineering	June 2010

## Additional Course Work

<b>Human-Computer Interaction (HCI), Coursera</b>	November 2012
■ Completed the online Human-Computer Interaction course hosted by Stanford University.	

## Skills

**System Oriented:** C++, C#, C (Prior Experience), Java, Python

**Web Oriented:** JavaScript and jQuery(Proficient), HTML(5), CSS(3) and SASS, Ruby on Rails

## Work Experience

<b>Carnegie Mellon University</b> Research Assistant	August 2012 - Present
■ Surveyed and implemented HTML5 web-application for sensor data visualization.	
■ Implemented HTML5 Hyperwall client and participated the design of database schema. The project is highlighted in the interoperation demo in CMU DMI Workshop 2012.	
<b>Intel-NTU Connected Context Computing Center</b> Research Assistant	January - June 2012
■ Designed method and system for managing SQL-NoSQL Hybrid Database. <b>(Taiwan Patent Pending)</b> .	
■ Surveyed and implemented a proxy server to enable Secure Index support in database.	

## Awards / Honors

<b>Tizen Hack Competition</b>	May 2013
■ Team won Runner Up (Second) Prize among 20 participated teams.	
<b>Hertz Mobility &amp; Connected Vehicle Hackathon 2013</b>	April 2013
■ Team won Nokia prize (\$1500 and 3 month nestGSV incubation).	
<b>CMU-SV HTML5 Single Page App Hackathon</b>	April 2013
■ Team won Both first-prize and the most popular app among over 50 registered participants.	
<b>Invited to Google Taiwan's Mentorship, Google Taiwan</b>	June 2010
■ Selected as 1 of 15 invited guests from Google Taiwan 2010 summer internship applicants.	

## Publications

### Books

- Chi-Lung Lee, and **An-Tai Li**. "Programming with Visual C# 2010 in 16 Lessons". Taipei, Taiwan: GOTOP Information Inc., 2011.
- Chi-Lung Lee, and **An-Tai Li**. "Making Things Easy with Google". Taipei, Taiwan: GrandTech Information Co., 2008.

## Additional Research Experience

<b>Minimal Register Usage Instruction Scheduling, NTU Fast Crypto Lab</b>	August 2010
■ Developed a method to find optimal instruction schedule that use minimal number of registers. Able to handle approximately double instructions lines compared to prior research.	
<b>CPU with Crypto Instructions, NTU Fast Crypto Lab</b>	December 2009
■ Designed and implemented a CPU with Crypto instructions in hardware description level.	