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Visit **http://shinglyu.github.io**/ for details.

Education	**M.S. Electrical Engineering**	National Taiwan University	
	Computer Music Lab, Computer Science Group	expected graduation: Aug 2014	
	B.S. Electrical Engineering	National Taiwan University	Jul 2012
	GPA: 3.92/4.3		
	Quantitative Finance Program	National Taiwan University	Jul 2012

Experience

TheFiguredBass Team, Taiwan
- Web Developer/Designer   Feb 2013 - present
  • Designing and building a music education web app.

Intel Microelectronics Asia Ltd., Taiwan
- Validation Engineer (Intern)   Mar 2012 - present
  • Retail Client Manager(RCM) development/validation
  • Active Manageability Technology (AMT) development/validation
  • Audience Impression Metrics Suite (AIMS) validation
  • Yocto Embedded Linux development
  • Visual Trust Level Solution (VTLS) development

Research Center for IT Innovation, Academia Scinica, Taiwan
- Research Assistant   Mar 2011 - Feb 2012
  • Published a computer vision paper in IEEE ICIP (see *Publication* section)

MediaTek Inc., Taiwan
- Multimedia Engineer (Intern)   Jul 2011 - Sep 2011
  • Built MIDI wavetables for feature phones; Functional testing.

Publication

Computer Expressive Music Performance by Phrase-wise Modeling   2012
International Workshop on Computer Music and Audio Technology

Automatic Saliency Inspired Foreground Object Extraction from Videos   2012
IEEE International Conference of Image Processing

**Project &
Coursework**

Dynamic Hedging for Taiwan Stock Index and Put Warrants   Sep 2012 - Jan 2013

Offline Music-to-Score Alignment for Orchestral Music   Aug 2010 - Feb 2011

Musical Source Separation Using Average Harmonic Models   Feb 2009 - Jul 2009

Skill Set

Computer   Python, Matlab, C++, R, C#, Java; PHP, JavaScript/jQuery, CSS.
Git, Linux, Windows server.

Studying   Functional Programming (Haskell), Design Patterns, Web Design

License   Senior Securities Specialist (Mar 2012)
General English Proficiency Test, High-Intermediate Level (Aug 2007)

Language   Mandarin Chinese, English

Teamwork   President of **Philharmonic Club**, National Taiwan University   Sep 2009 - Aug 2010
President of **Science Club**, Jian-Guo High School   Sep 2006 - Aug 2007