

# Bin-Yu (Jason) Gao

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## Education

**University of Maryland**, College Park, MD

Expected 05/2014

- Master of Engineering, Materials Science and Engineering, Current GPA:3.57/4.0
- Focus on project management ,nano-characterization, solar cells, conductive glasses.

**Related Courses:** Nanometer Structure of Materials, Thermodynamics in Materials Science, Experimental Methods in Materials Science, Flexible Macro-electronics, Solid State Physics, Project management.

**Wuhan University** , Wuhan, Hubei, China

09/2008-06/2012

- Material Processing and Control Engineering
- Focus on metal coating, welding, metallurgy transport, automatic control process.

**Related Courses:** Metallurgy Transport Principle, Metallography and Heat-treatment, Measurement technology. Welding Engineering, Technology of Nondestructive Testing, Principle of Automatic Control

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## Skills

Software: Matlab, VBA, MS-project, LabVIEW, Origin, AutoCAD, and Microsoft Office

Language: English(Fluent), Mandarin(native fluency), Spanish (Elementary proficiency)

Cerifications: CAPM - Certified Associate in Project Management from Project Management Institution 04/2014

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## Related Research/Internship Experience

**University of Maryland, Energy Center, Advisor: Prof. Liangbing Hu**

08/2012-09/2013

- Established and supervised the battery and MOSFET testing platform with Labview and Keithley instruments
- Designed and optimized unique periodic nanostructure to be used in CNT coated solar cells to enhance efficiency
- Contributed to Publication “Flexible, transparent, and conductive defrosting glass”

**Wuhan University**, Hubei, China Advisor: Prof. Bing Yang

09/2010-06/2012

- Research Paper: “Preparation of the TIC/DLC Self-lubricated Coatings Applied on Engine Fuel Pump Plunger”
- Authored thesis on “High-precision positioning in micro-welding with LabVIEW”
- Prepared TIC/DLC self-lubricated coatings in varied conditions, dramatically reducing abrasion resistance

**Intern**, Beijing Shengdelong Ultrahard Material Technology Development Co.

06/2011-09/2011

- Learned the principle and application of cubic hydraulic, and operated on its HY-2 model to control the coordination of the heating curve and the pressure curve
- Modified and put forward the test plan for new products in group meeting

**Extern**, Citic Heavy Industries Co.,LTD. Henan, China.

03/2012-04/2012

- Shadowed engineers in 9 departments of large factory; learned specific processes such as: Automatic welding, Laser bonding, Advanced welding rod production.
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## Additional Internship Experience

**Lead Marketing Intern**, New Oriental Education & Technology Group

10/2011-08/2012

- Promoted study abroad opportunities for hundreds of students at on-campus lectures and online

**Lead Customer Service Intern**, New Changjiang Real Estate Company

10/2011-12/2011

- Created a team and survey to evaluate the satisfaction of customers, and compiled the results into a report

**Spanish Teacher**, Starlight Language Education

01/2011-05/2011

**Lead Translator** (English to Chinese), 307 Research laboratory, Wuhan Iron & Steel

08/2011-08/2012