

# Keng Gee Ng

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## Career Objective

A dynamic person with a self-motivated drive as well as sharp in decision making accompanied with excellent interpersonal skills to achieve my full individual potential in the engineering profession by obtaining an internship or a co-op.

## Education

Iowa State University  
Bachelor of Science in Electrical Engineering  
Expected Graduation: December 2010  
Classification: Senior

## Professional Skills

- Cadence Custom IC design tool, Verilog Quartus, Signal Express, Java, MATLAB, PSPICE,
- Microsoft Office, Linux, Photoshop
- Languages Spoken: English, Chinese, Malay, Cantonese, Hokkien
- Professional in Research, strong work ethic and positive attitude
- Focusing in work, able to learn from mistakes, punctuality, fast adapt in changing environment and able to work under pressure within the timeline
- Willing to relocate without any problems.

## Professional Work Experience

- Iowa State University, Undergraduate Research with Professor Sumit,Chaudhary 5/2008-2009
- Researching in Solar Photovoltaic, Thin Film Solar Cells in Microelectronics Research Center, Ames
  - Developed High Efficiency polymer-based solar cells
  - Increase the absorption spectrum of the solar cells
  - Studying the electrical properties of bulk heterojunction solar cells using Impedance Spectroscopy
  - Learning implementation of solar cells in various devices such as cell phones
- ISU Dining, Memorial Union Food Court 9/2008-present
- Working as Lead Worker in the Food Court
- The Swatch Group Malaysia, Kuala Lumpur, Malaysia  
Retail Assistant 9/2007-12/2007
- Liaising with customer in all area of sales
  - Dealing with customer complaints
  - Assisting with product selection
  - Processing payment of various kinds
  - Stocking, replenishing and cleaning sales area

## Senior Design Research Project

- Chameleon Panel 5/2009-present
- Encapsulate liquid crystal by Microfluidic and Electrospaying process
  - Encapsulate liquid crystal in the inner shell of the polymer
  - Developed Microfluidic channels
  - Made coaxial needles for the Electrospaying process
  - Learning the implementation of the encapsulation liquid crystal into the panel

More information about Senior Design Research Project: <http://seniord.ece.iastate.edu/may1012/index.htm>

**Leadership Skills**

- Serving as International Student Ambassador in Iowa State University 1/2008-present
- Volunteer in VEISHA International Food Fair 2008
- Volunteer as a librarian in Iowa State University 2008
- Volunteer in International Student Orientation Aid 2008
- Japanese Language Club 2009-present
- ISU Badminton Club 2009-present
- ISU Cyclone Chess Club 2009-present
- ISU Malaysian Student Association 2008-present
- Guang Hwa Lion Dance Club 2008-2009
- Taylor's University College, Engineering Committee Member 2006-2007

**Activities**

- Runners up in I-Week Basketball Tournament
- Participate in Intramural Basketball Tournament
- Participate in Midwest Game Tournament hosted by Malaysian Student's Department Chicago
- Participating in Cy World Cup Soccer Tournament hosted by International Student and Scholars

**Honors and Awards**

- Awarded International Diversity Scholarship from Iowa State University
- Awarded Scholarship from College of Engineering in Iowa State University
- Awarded Tuition Assistance Grant from International Student and Scholars in Iowa State University
- Awarded Magna Cum Laude Honors from Taylor's University College, Malaysia