

# HANZI LIN

1609 PARKMOOR AVE, APT 149, SAN JOSE, CA95128

HANZI.LIN@OUTLOOK.COM ▪ 917.861.8616

---

## PROFILE

---

### Electrical Engineer

#### Power Electronics ▪ Power Systems

A Junior Electrical Engineer (5/2014) recognized as an academic scholar with a 3.7/4.0 GPA in a MS Program and 3.8/4.0 GPA in a BS Program at one of the top universities in the US. Exceptional skills and knowledge acumen developed through rigorous academic programs combined with extensive internships.

#### ▪ Core Competencies ▪

International Business ▪ Electrical Power Design ▪ Academic Scholar  
IT Consulting ▪ Technical Support ▪ Research & Analysis ▪ Web Design ▪ Technical Writing  
Power Electronics Testing & Design ▪ Power Systems Engineering ▪ DSP Development ▪ Matlab/Pspice Simulation

---

## EDUCATION & HONORS

---

### MS in Electrical Engineering (Power Electronic Systems) ▪ [GPA 3.7/4.0]

New York University Polytechnic School of Engineering, Brooklyn, NY, May 2014

- Honors: Dean's List ▪ Recipient of \$10,000 Scholarship

**[Key Courses]:** Signals Systems and Transforms ▪ Transients, Surges and Faults in Power Systems ▪ Introduction to Electric Power Systems Electronic Power Supplies ▪ Probability Theory ▪ Power Electronics ▪ Electric Drives Characteristics and Controls ▪ Digital Signal Processing ▪ Electrical Transmission and Distribution System

### BS in Electrical Engineering ▪ [GPA 3.8/4.0]

New York University Polytechnic School of Engineering, Brooklyn, NY, May 2012

North China Electrical Power University, Beijing, China

**[Key Courses]:** Waves and Optics ▪ Electrical Circuit Analysis ▪ Digital Logic and State Machine Design ▪ Analog Circuits Design ▪ Automatic Control Theory ▪ the Optical Power Flow Analysis ▪ Electromagnetic Waves ▪ Electric and Computer Engineering ▪ Electronics & Instruments Lab ▪ Senior Laboratory ▪ Advanced Design Project ▪ Electronics ▪ Communication Theory ▪ Applied Complex Analysis ▪ Probability Theory ▪ Applied Linear Algebra

---

## RESEARCH & INTERNSHIP EXPERIENCE

---

**Yingda International Leasing Co., LTD**, Beijing, China

6/2012 – 8/2012

### *IT Consultant*

Provided on-site support for customer network and server access to multiple applications. Performed the optimization of company website and operation system maintenance.

- Designed and contributed to build flow model of online expense system.
- Performed a research work for the new leasing system selection.
- Communicated and coordinated with IT departments of shareholders Nation Grid and General Electric Company.

(See page 2)

**New York University Polytechnic School of Engineering**, Brooklyn, NY (spring, 2012)

***Standardized Non-Active Power Definitions for Non-Linear Single Phase Loads Project***

- Used MATLAB to Create and build the experimental model for single phase source with non-linear loads
- Programmed and analyzed a math model of reservoir simulation
- Proved that the measurement of non-active power for single phase source with non-linear loads is incorrect based on the IEEE trial-use standard definition of electric power quantities under non-sinusoidal conditions

**New York University Polytechnic School of Engineering**, Brooklyn, NY (winter, 2011)

***Wind Power Generation with Matrix Converter and Multilevel Converter Project***

- Performed research work to compare the merits of either converters
- Used MATLAB to Build and simulate the model of wind power generation.

**China Guodian Longyuan Electrical Co., Ltd**, Baoding, China (summer, 2009)

***Advancing product designing Summer Intern***

- Contributed to build and design 5MW wind power converter and the major content of which is developing digital inverter in grid-side.

---

## TECHNICAL SKILLS

---

**Technical Skills/Interests:** C/C++, C#/ASP.NET, MATLAB, Adobe Photoshop, Unix, CAD, Developing DSP board ▪  
Designing and building power electronics ▪ Circuit design

**Passed the NCEES Fundamentals of Engineering Exam**

---

## LEADERSHIP & SERVICE EXPERIENCE

---

- Produced Top 10 Singer Match in North China Electric Power University, spring, 2009
- Edited and published *The Pride of Electrical Engineering*, an In-school Publication in North China Electric Power University, fall, 2008
- Chair of Propaganda Department in Student Union of North China Electric Power University, 2007-2009
- News director of school television station in North China Electric Power University, 2007-2009

---

## HONORS & TITLES

---

- **First Place Scholarship** given by New York University Polytechnic School of Engineering, 2012-2014
- **Dean's List Student** in New York University Polytechnic School of Engineering, 2010-2014
- **Summa Cum Laude Graduate** of New York University Polytechnic School of Engineering, 2012
- **the Most Outstanding Team** award of "Challenge Cup" Entrepreneur Competition, 2010
- **Third Place Scholarship** given by North China Electric Power University, 2010