



# HONG CHUN (TOM) HUI, EIT

hch285@nyu.edu ♦ 1761 E17th ST, Brooklyn, NY, 11229 ♦ (917) 330-6155 ♦ Valid Driver License

## OBJECTIVE

Creative NYU Polytechnic School of Engineering graduate with EIT Certification pursuing a starting position in Mechanical Engineering by using my educational knowledge and experiences in the best possible way for achieving the company's goals.

## EDUCATION

New York University Polytechnic School of Engineering  
May 2015 Bachelor of Science in Mechanical Engineering

## EXPERIENCE

MTR ♦ Telford Plaza, 33 Wai Yip Street, Kowloon Bay

**Project Management Intern**

**6/3/2013 – 7/26/2013**

- ♦ Managed the West Island Line project progress by assisting the program engineers with detailed review of contractor's construction programming on Excel and Primavera P6
  - ♦ Responsible for project documentation and programming system, which were accomplished by analyzing the project progress through weekly site maps
- ♦ Improved the design of the weekly/month project progress report by creating Marco on Excel

## SKILLS

- ♦ Skilled in SolidWorks, ANSYS, Excel, AutoCAD, and Primavera P6
- ♦ Experienced in 3D Printing, Finite Element Analysis, Product Design, Project Management and Team Work
- ♦ Knowledgeable in Math, Computer-Aided Design, Statics, Dynamic, Mechanics of Materials, Control Systems, Thermodynamics, Fluid Mechanics, Heat Transfer, Measurement Systems, Manufacturing Processes, Electronic Packaging, Nuclear Physics and Construction Engineering

## **PROJECT**

### **NYU MRC (New York University Magnetic Roller Coaster)**

9/2014 – 5/2015

- ♦ Designed and constructed model of maglev (magnetic levitation) roller coaster that utilized quantum levitation
- ♦ Achieved stable levitation through the use of Neodymium magnets, superconductors, and liquid nitrogen
  - ♦ Produced 3D models on SolidWorks and 3D printed with MakerBot Replicator
- ♦ Obtained information regarding the products from simulations through SolidWorks and ANSYS
- ♦ Completed the roller coaster project by creating the propulsion system, train model, track assembly, and thermal insulation
- ♦ Improved the design of the train by testing different prototypes, the best prototype became the final design with the best aerodynamic shape and best insulation
  - ♦ Senior design project was nominated for the 2015 engineering research expo and the magnetic roller coaster was demonstrated to the public

## **LANGUAGES**

- ♦ Fluent in Chinese (Both Cantonese and Mandarin)
- ♦ Moved to United States in 2007, Fluent in English and obtained US citizenship

## **PART TIME EXPERIENCE**

**Aji Ichiban ♦ 37 Mott St, New York, NY 10013**

**Warehouse worker**

**6/28/2012 – 8/17/2012**

- ♦ Loaded and unloaded containers and trucks
- ♦ Unpacked merchandise and distributed to different store locations
  - ♦ Moved packages by hand truck
- ♦ Organized stock in the warehouse by identifying the packages label and quantity
  - ♦ Lift packages up to 60 lbs.