

Andy (Chengyang) Mo

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Education

Drexel University
Bachelor/Master of Science in Mechanical Engineering
Concentration: Mechanics

Philadelphia, PA
Graduation: June, 2017
Cumulative GPA: 3.9

Honors and Award

Drexel Dean's Scholarship 2012 - present
Mathematical Contest of Modeling Successful Participants, 2011

Drexel Dean's List, 2012, 2013
Coop 101 Certificate of Merit, June 2013

Skills

Computer Software: Pro/E, MATLAB, Microsoft Office (Word, Excel, PowerPoint), AutoCAD, Tekla Structures, Aramis

Programming Languages: Pascal, Python

Foreign Language: Fluent Mandarin Chinese

Professional Experience

City B & éLtd.

Mechanical Engineer

Berwyn, PA

March to September, 2014

- Created 3D model for innovative baby product subsystem
- Prototyped using rapid prototyping machine and machinery
- Assisted building Test Machine per ASTM Standards

- Worked over 400 hours of Pro/E part designing
- Designed over 50 plastic parts for injection molding
- Generated BOMs and drawings for parts

University of Applied Science of Osnabrück

Research Assistant

Osnabrück, Germany

March to August, 2015

- Polished and ground metals for light microscopy
- Heat treated metal for desired micro-structure

- Prepared very high fatigue cycle tensile testing of metals
- Investigated the crack behavior of Duplex Stainless Steel

Projects and Research Experience

1. Engineer Design Patent

- Patent Title: Gas Pump Arrangement in Gas Station
- Designed 3D model of gas pump arrangement to increase pumping efficiency of gas station in various cities in China. China Provisional Patent Application # **201010215268**. Filing Date: April 30, 2011.

2. Student Research Assistant

Theoretical Applied Mechanics Group

Advisor: Dr. Antonios Kontsos

September, 2014 – present

- Assisted conducting fracture testing of Nickel super alloy
- Investigated elastic behavior of fabrics using simulation
- Investigating plastic behavior of magnesium

- Investigating in-situ digital image correlation method for observing deformation of magnesium at atomic level

Activities and Conferences

Member, American Society of Mechanical Engineers, Fall 2012 - present

Member, Pi Tau Sigma National Honor Society, Fall 2013- present

Paul Peck Scholars Leadership Program, June 2013 - present

Drexel ASME Student Chapter Executive Board, November 2013 – present