

Zhuo Li

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EDUCATION

Sichuan University

Chengdu, China

BEng, Process Equipment and Control Engineering

Sept. 2013 – July. 2017 (expected)

- Relevant coursework: Machine Manufacturing, Material Mechanics, Fluid Mechanics, Principles of Chemical Engineering
- Awards: Sichuan University Individual Scholarship, 2014, 2015, 2016; Dongtu Education Research Fund, 2016

EXPERIENCE

Laboratory of Functional Materials, Sichuan University

Chengdu, China

Research Assistant

Mar. 2015 - present

- Leading the program of Preparation of Nano-Cobalt Powder program by Microemulsion;
- Invented the Liquid-liquid Two Phase Method and found the best combination of reducer in Nano-Cobalt preparation;
- Synthesizing cobalt nanowire by controlling magnetic field.

Beijing Jozzon Petroleum Equipment Co., Ltd

Beijing, China

Product Development Assistant

July - Sept. 2014

- Designed drawings about derrick by *SolidWorks*;
- Participated in the Rack Pumping Unit program and proposed key adjustments to the structural improvement of the rack pumping unit

Beijing Dongshun Bowang Petro-Machinery Co., Ltd

Beijing, China

Administrative Assistant

July - Sept. 2015

- Modified drawings of former facility and converted the electronic controlling system;
- Organized the technical meeting of Grinding Rail Equipment and made a presentation about Eccentering Machinery;
- Monitored communications with Latin American, providing potential clients with pricing information and offering online consultation.

Dongshun Bowang (Cang Zhou) Petro-Machinery Co., Ltd

Cangzhou, China

Assistant Engineer

Jan - Mar. 2016

- Tracked the manufacturing process of Abrasive Belt Equipment for Grinding Rail;
- Ensured smooth communications between workers and engineers;
- Managed eight workers to install the abrasive belt.

PUBLICATION & PATENT

Adjustable Rack and Pinion Pumping Unit

ZL 2014 2 0400005.9; Weilin Shao, Zhuo Li, Jiajun Xu, Shujun Huang.

Utility Mode Patent, China

Authorized: Jan. 14, 2015

Abrasive Belt Equipment for Grinding Rail

CN 105178122 A; Qingyi Li, Zhuo Li.

Invention Patent, China

Published: Dec. 23, 2015

Abrasive Belt Equipment for Grinding Rail

ZL 2015 2 0790533.4; Qingyi Li, Zhuo Li.

Utility Mode Patent, China

Authorized: Feb. 10, 2016

Method of Nano-Cobalt Powder Preparation by Liquid-liquid Two Phase

CN 105880625 A; Qin Long, Zhuo Li, Yunjia Gan, Zexue Wang, Kenan Xie.

Invention Patent, China

Published: Apr. 24, 2016

Preparation of Nano-Cobalt Powder by Liquid-liquid Two Phase Method

(in preparation)

The Journal of Alloys and Compounds

Zhuo Li, Qin Long, Zexue Wang, Yunjia Gan, Kenan Xie.

LEADERSHIP

Fly Over the Ocean Association, Sichuan University

Chengdu, China

President

May. 2014 – May. 2016

- Obtained sponsorship from XIANGFEI Globe Education Group;
- Hosted the CEO of Ascend International to give a seminar;
- Hosted Amy Henderson, a HR of PwC, Doc. Curtis McDonald in Carolinas HealthCare System to give a seminar.

SKILLS

Software: Matlab, SolidWorks, AutoCAD, Aspen Plus, CADWORX Multiphysics, Photoshop

Debate: Sichuan University Freshman Debate, Runner-up, Best Speaker