

GAO, NAN

Contact

Email: gaonan87@gmail.com

Website: <http://studystructural.wordpress.com/>

Objective

Applying for PhD program in Structural Engineering

Education

Tongji University, Shanghai, China, 2004–2008

Bachelors Degree: Civil Engineering, 2008 GPA: 85/100

Experience

July 2008 to present:

Structural Engineer, SHJY Architectural Design Co., Ltd., Shanghai, China

- Worked in design, analysis, shop drawing, and on-site supervision of several new construction projects and seismic retrofit projects.
- Responsible for seismic design and analysis of several high-rise concrete structures, including special moment frame, shear wall, and frame-shear wall.
- Participated in modification and improvement of the design codes and standards of the company.

Selected List of Projects:

Huifeng Tower, Research Center of Xinqiao Company, Nursing Home of Hongqiao Community, Gymnasium of Zizhu Middle School, Zizhu Kindergarten, OBLY Shopping Center, Building No.7 of ZJY Residential Quarter, Retrofit of Huayuan Primary School.

More detailed project information: <http://studystructural.wordpress.com/projects/>

September 2004 to July 2008:

Undergraduate Student, College of Civil Engineering, Tongji University, Shanghai, China

- Got excellent grades in several major courses, including Engineering Mechanics, Civil Engineering Materiel, Design of Concrete Structure, Masonry Structure, and Computation Mechanics of Structures and Applied Software.
- Performed well as group leader in several coursework and practical projects, such as competition of small-scale structural models, Exercise of Engineering Drawing, Fieldwork of Geology, Fieldwork of Surveying, and Design Exercise of Concrete Structure.
- Acquired basic principle and fundamental method of structural experiment from practice in Mechanics Laboratory and Structural Laboratory.

Standard Test

GRE (November 2011):

Verbal 156, Quantitative 170, Analytical Writing 4.0

TOEFL (Internet Based Test, April 2012):

Reading 30, Listening 30, Speaking 24, Writing 30, Total 114

Professional Skills

- Skilled in the design and analysis of building structures, including reinforced concrete structures, masonry structures, steel structures, and foundations. Particularly strong in seismic design of high-rise reinforced concrete buildings.
- Familiar with the design codes and methods in structural engineering.
- Proficient in computer aided design, excellent in using Revit Structure and AutoCAD.
- Know the principle of FEA methods, skilled in using SAP2000.
- Good at writing technical documents and essays, skilled in using Microsoft Office.

Professional License

- **Chinese National Licensed Structural Engineer**
- Passed the fundamental examination of Chinese National Licensed Geotechnical Engineer

Awards

Freshman Scholarship, Tongji University, 2004

Other Activity and Internship

- Site engineer of Suzhong Construction Group Co., Ltd., 2007
- Journalist of Tongji Newspaper, 2004-2008
- Apprentice journalist of Science and Technology Daily, 2005
- Member of the sports team (long-distance running) of Tongji University, 2006-2007