

## **Jiaxing Gu (Jenna)**

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### **OBJECTIVE**

Seeking a long term position in civil engineering, especially in water industry.

### **EDUCATION**

Bachelor of Science, **Civil Engineering**, Degrees expected June 2015

University of California, Davis GPA: 3.30/4.00

Associate in Science, **Physic**, 08/10-05/13

Solano Community College, Fairfield, CA. May, 2013

Associate in Arts, **Mathematics, General Science, University Studies: Liberal Studies Elementary Teacher Preparation, University Studies: Science and Quantitative Reasoning**,

Solano Community College, Fairfield, CA. May, 2013

### **RELATED COURSE WORK**

Hydraulic Structures Design, Engineering Hydraulics, Engineering Hydrology, Environmental Analysis of Aqueous System, Air Pollution, Construction Principles and Project Management, Structural Design, Structural Analysis, Structural Design: Metallic Elements, Transportation Design, Transportation System Operations

### **SKILLS**

**Computer:** AutoCAD, FlowMaster, CulvertMaster, StormCAD, ProjectLibre, ARCGIS, C++ Programming, Visual Basic, Microsoft Office.

**Languages:** Excellent knowledge of the Chinese language (Cantonese and Mandarin), both spoken and written.

### **ACADEMIC PROJECT**

**Hydraulic Structures Design- an Integrated System;** University of California, Davis April 2015-Present

- Estimate of peak rainfall runoff by using different calculation methods
- Design drainage channel and Storm sewer using FlowMaster and StormCAD
- Create a culvert design using CulvertMaster to calculate the needed information, and design detention pond using AutoCAD

**Transportation Design-Nishi Development Project;** University of California, Davis April 2015-Present

- Research information about the Nishi property site located in Davis
- Develop alternative plans in a group of 4 students for construction design
- Use AutoCAD to draw each of alternatives
- Create a poster to Davis's community and prepare for oral presentation

**Structural Design- CA Lottery Project;** University of California, Davis April 2015-Present

- Compose a narrative
- Design construction materials and estimate the loads path for the CA Lottery building located in Sacramento
- Draft framing plans for the roof, a typical floor (where applies) and the foundation using AutoCAD
- Calculate the all loads of the building using course knowledge.

### **WORK EXPERINECE**

Student Assistant of Marketing Department – Solano Community College, Fairfield, CA., 08/12- 06/13.

- Translate English into Chinese for the school marketing poster
- Help develop and manage international program
- Develop strong network with school officers and students

Tutor – Solano Community College, Fairfield, CA., 08/12-06/13.

Cashier, Order taker – McDonald's, Vacaville, CA., 03/10-10/12.

### **ACTIVITIES**

Treasurer, Rotaract Club, Solano Community College (08/2012-05/2013)

Member, Mathematics Engineering Science Achievement (MESA), Solano Community College (08/2010-05/2013)

- Participant – 2012 MESA Leadership Retreat (Got the Most Entraining award from the Engineering Design Workshop)
- Nominee, All-USA Community College Academic Team (2012)