

JUNWEI TANG

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OBJECTIVE: To obtain a full-time position as a project engineer at Build Group Inc.

EDUCATION: Bachelor of Science in **Civil Engineering**
University of California Davis
Degree expected June 2015
GPA: 3.03/4.00

RELATED COURSEWORK:

Structural Analysis, Structural Design of Metallic Elements, Soil Mechanics, Pavement Engineering, Structural Design of Concrete Elements, Mechanics of Materials, Construction Management & Principles, Engineering Economics, Probability Analysis for Civ. Engrs

SKILLS: Computer Skills: C Programming, MATLAB, OpenPave, EverFE, AutoCAD, Microsoft Office (Word, Excel), ProjectLibre
Languages: Fluent in written and spoken Chinese

EXPERIENCES:

ASCE Construction Management Team, UC Davis, Davis, CA, 1/15 – 4/15

Designed, prepared, and performed construction of a bike parking structure on the UC Davis campus for the ASCE MidPacific competition. Performed design work on dimensions of concrete band, the 2 percent grade required for drainage, the depths of each sublayer, etc. Estimated total cost of materials, collaborated with proposal team, and assisted project team in building the structure. Team obtained first place in the competition.

PROJECTS:

Pavement Design Street Reconstruction, UC Davis, Davis, CA, 9/14 – 12/15

Designed the reconstruction of a street leading from the I-80 interstate to the unloading docks of a given set warehouses. Determined an appropriate cross-section design for the pavement, which would not fail under certain fatigue and rutting situations, for a specified design life. Applied OpenPave software for flexible pavement design and EverFE for rigid pavement design.

Grant Line Expressway Construction Management, UC Davis, Davis, CA, 1/15 – 3/15

Wrote proposal for the Grant Line Expressway Project, which aimed to expand the two-lane expressway route into a four-lane route in order to provide more fluent traffic environment for commuters between Elk Grove and El Dorado Hills and to increase the economic development around Sacramento. Included stakeholders and goals, SWOT Analysis, cost estimates, Quality Management Plan, and risk analysis. Constructed Work Breakdown Structure and Gantt chart using ProjectLibre.

LEADERSHIP:

Surgery Volunteer, Kaiser Permanente, Sacramento, CA, 9/10—5/11

- Assisted health care team with post surgery care of patients
- Maintained clean operating room
- Assisted nurses with stocking supplies