

# Kai Shing Chu, PE

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## SUMMARY

Licensed civil engineer with more than 9 years of experience in temporary and permanent shoring design, detailed drawings, site inspection, project scope, and feasibility study. Strong multi-tasker with concurrent priorities in challenging and high-pressure work environment.

## PROFESSIONAL EXPERIENCE

### Senior Engineer, SPI Consulting Engineers, Inc., Lafayette, CA

May 2012 – Present

- Design temporary and permanent structures on earth retaining systems, such as soldier beam with tiebacks, internal bracing, cantilevered beams, soil nailing and reinforced concrete piers
- Prepare design calculation reports and detailed engineering plans
- Assist in solving problems related to construction and handle review comments
- Capable of working independently and manage multiple projects with competing deadlines
- Define project scope, outline the risks and benefits of each design alternatives and draft proposal
- Attend meetings and discuss project details with clients, contractors, and owners
- Create and develop engineering design tools in Excel
- Conduct field and construction site inspection and prepare reports
- Perform proof test of tiebacks and soil nails and maintain records and files

### Staff Engineer, Rockridge Geotechnical Inc., Oakland, CA

Feb. 2012 – Mar. 2012

- Prepared technical reports for clients under supervision of Principal Engineer and Senior Engineer
- Executed site investigation and field testing using ASTM methodologies
- Conducted studies on architectural and structural plans for footing and foundation wall design
- Performed engineering analysis for foundation design verification and recommendations

### Assistant Engineer Internship, Caltrans District 5, San Luis Obispo, CA

Sep. 2011 – Dec. 2011

- Involved in U.S. 101 Lane Widening Project under supervision of Engineering Lead
- Verified traffic speed with design highway geometry following California Highway Design Manual
- Performed hydraulic analysis for the Linden to Casitas Interchange Project
- Assisted lay out proposed inlet locations for pavement drainage design purposes using MicroStation
- Provided design alternatives to engineers presenting pros and cons of proposed drainage locations

## EDUCATION

- PE Certified # C 84827
- California Polytechnic State University, San Luis Obispo
- Bachelor of Science in Civil Engineering, December 2011
- Cumulative GPA: 3.6 / 4.0 (Cum Laude)

## TECHNICAL SKILLS

- AutoCAD
- Autodesk Revit
- PCA Column
- SNAILZ
- MicroStation
- SAP2000
- DT Beam
- Microsoft Office

## PROJECTS & ACHIEVEMENTS

- Yerba Buena Island WB Ramp Improvement
- Hunters Point Shipyard Development
- Fish Passage Facilities in Alameda Creek Watershed
- Washington Hospital in Fremont