Xiaoxuan Eva Ge, E.I.T.

Project Engineer

EDUCATION

Bachelor of Science, Geological Engineering, Jilin University, Jilin, China – 2011
Master of Science, Civil Engineering, University of Alaska, Anchorage, AK – 2013

GENERAL EXPERIENCE

Eva has five years of professional experience working in engineering, construction, and research fields and applications and is currently working to obtain her professional engineering license in the State of Alaska. Eva has a strong geological background, and is skilled at site evaluation, geotechnical subsurface exploration, laboratory testing, task-specific engineering assessment, and foundation design, etc. Eva has experience extensive with slope stability analysis, thermal analysis, deep foundation lateral analysis, septic system design, and construction quality control. Eva is proficient with various computer-based engineering analysis programs including: SLOPE/W, TEMP/W, AllPile, LPile, HeliCAP, BERG2. Eva has several professional journal publications and conference papers, focusing on the mechanical properties of frozen soils and the application of p-y approach in analyzing pile foundations in cold regions.

KEY PROJECTS

Point Thompson Project, Point Thompson, Alaska, AFC/CH2MHILL, 2014/2015 – Eva was a member of the Quality Control team performing inspections for pile installation and slurry placement. Eva served as Quality Control Lead during the 2015 winter construction season.

Resolution Pointe Subdivision Development, Anchorage, Alaska 2014/2015 – Eva served as project engineer and conducted slope stability analysis utilizing GeoStudio (SLOPE/W) of multiple residential lots. Eva's analyses comply to and satisfy the MOA code requirement and design criteria.

South Anchorage Sports Park Development, Anchorage, Alaska 2015 – Eva served as project manager and oversaw the execution of multiple subsurface exploration programs, laboratory testing programs, engineering assessments, and foundation analysis to support the design efforts for the proposed multi-phases developments, which include a floating bike ramps, community park facility, underground utilities, parking areas, etc.

Jordan Residence, Anchorage, Alaska 2015 – Eva served as project manager and conducted the geotechnical assessment. In addition, Eva directed the infiltration testing at the site, and designed the on-site septic system for a four-bedroom single family residential dwelling.

PROFESSIONAL REFERENCES

Jacques Boutet, P.E., President, TBC, Inc., (907) 270-6768, jboutet@tbcak.com
Dave Grenier, P.E., President, Triad Engineering, (907) 561-6537, davegrenier@triadak.com
Joey Yang, Professor, UAA, (907) 786-6431, zyang2@uaa.alaska.edu

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PROFESSIONAL QUALIFICATIONS

Certificate	2012	Engineering-in-Training
Certificate	2013	Troxler Nuclear Densometer Operations
Certificate	2013/2014	North Slope Training Course
Certificate	2014	ACI Concrete Field Testing Technician (Grade 1)
Certificate	2014	MOA Approved Special Inspector for Piles, Piers, and Soils
Member	2016	American Society of Civil Engineers

PROFESSIONAL PUBLICATIONS

Ge, X., Yang, Z., Still, B., and Li, Q., 2012, Experimental Study of Frozen Soil Mechanical Properties for Seismic Design of Pile Foundations. Cold Regions Engineering 2012: pp. 478-488.

Yang, Z., Zhang, X., **Ge, X.**, and Marx, E., 2013. Application of p-y approach in analyzing pile foundations in frozen ground overlying liquefiable soils. Journal of Science in Cold and Arid Regions, 5(4): 0368-0376.

Ge, X., Yang, Z., and Still, B., 2013, Mechanical Properties of Naturally Frozen Silty Soil for Seismic Design of Pile Foundations. ISCORD 2013: pp. 215-227.

Still, B., Yang, Z., **Ge, X.**, and Paris, A. (2013) Naturally Frozen Soils from the Field to the Laboratory. ISCORD 2013: pp. 228-236.

Still, B., Yang, Z., **Ge, X.**, and Paris, A., 2013. Sampling, Machining and Testing of Naturally Frozen Soils. Accepted by ASTM Selected Technical Papers on Apr 14, 2013.

Ge, X., Yang, Z., and Still, B., 2013. Mechanical Properties of Naturally Frozen Ice-Rich Silty Soils. Accepted by ASTM Selected Technical Papers on Apr 14, 2013.

Singla, M., Chang, C., Song, G., Yang, Z., and **Ge, X.**, 2014. Automatic Controls for the Carbon Fiber Tape-based Deicing Technology. Journal of Cold Regions Engineering, 28(1), 04013001(17).

Yang, Z., and Still, B., **Ge, X.**, 2015. Mechanical Properties of Seasonally Frozen and Permafrost Soils at High Strain Rate. Cold Regions Science and Technology 2015: pp. 12-19.
