

**Geomechanics Engineer**

<b><i>Expertise</i></b>	Geomechanics, Mining Engineering
<b><i>Education</i></b>	M.S. (Geotechnical Engineering), 2011 Northwestern University, Chicago, Illinois M.S. (Mining Engineering), 2007 The Pennsylvania State University, State College, Pennsylvania M.S. (Mining Engineering), 2002 China University of Mining & Technology, Beijing, China B.S. (Mining Engineering), 1999 China University of Mining & Technology, Xuzhou, China
<b><i>Professional Affiliations</i></b>	Member, American Society of Civil Engineers (ASCE) Member, Society for Mining, Metallurgy and Exploration (SME)
<b><i>Honors</i></b>	Walter P. Murphy Fellowship, Northwestern University (2008-2009) Anne C. Wilson Graduate Research Award, The Pennsylvania State University (2005)
<b><i>Professional Experience</i></b>	
2011 – Present	<i>Itasca Consulting Group, Inc., Minneapolis, Minnesota Geomechanics Engineer</i>
2008 – 2011	<i>Northwestern University, Dept. of Civil &amp; Environmental Engineering Research Assistant, Geotechnical Engineering</i>
2004 – 2007	<i>The Pennsylvania State University, Department of EGEE Graduate Assistant, Mining Engineering</i>
2003 – 2004	<i>China Coal Research Institute, Beijing, China Assistant Engineer</i>
1999 – 2002	<i>China University of Mining &amp; Technology, Beijing, China Graduate Assistant, Mining Engineering</i>

***Project Experience***

***Geotechnical Projects:*** Evaluated earth pressure on cantilever sheet-pile walls with retained slopes. Conducted a finite-element parametric study using PLAXIS for a range of conditions encountered in practice, and provided guidance regarding the selection of appropriate design pressure. Performed laboratory tests on Chicago stiff clay to investigate small-strain response, and conducted PLAXIS simulations using a hypoplastic model.

***Mining Projects:*** Conducted mine-void detection using geophysical methods. Responsible for experimental design and participated in eight field surveys and analyzed field data using MATLAB 7.0. Constructed a database using Access 2003, prepared rock and coal samples, and measured wave velocities.