

MIKE STEWART

EDUCATION

M.S. System Dynamics	Expected Graduation 2014
Worcester Polytechnic Institute; Worcester, Massachusetts	
M.S. Management Systems Engineering	2002
Virginia Tech; Blacksburg, Virginia	
B.S. Industrial and Systems Engineering	2000
Virginia Tech; Blacksburg, Virginia	

PROFESSIONAL ACTIVITIES

Systems Engineering Manager	December 2012 – Present
Senior Systems Engineer	2011-2012
National Ecological Observatory Network (NEON), Inc.; Boulder, Colorado	
Responsibilities:	
<ul style="list-style-type: none">➤ High-level design of the observatory including science- and system-level requirements and operational scenarios➤ Verification and acceptance testing of remote domain laboratories, sampling and human observations systems, the airborne observation platform and aquatic instrument systems➤ Configuration management including change-control processes and systems and the requirements management processes	
Senior Systems and Process Engineer	2008-2010
Boulder Osteopathic Medical Center; Boulder, Colorado	
Responsibilities:	
<ul style="list-style-type: none">➤ Designed and implemented processes and software systems for a growing medical practice	
Systems Engineer	2003-2008
Northrop Grumman Corporation; Boulder, Colorado	
Responsibilities:	
<ul style="list-style-type: none">➤ Developed and decomposed requirements for the mobile platform of the Space-Based Infrared System program➤ Led software test team responsible for testing Defense Satellite Program operational software	
Systems Engineering Graduate Research Assistant	1999-2002
Virginia Tech Enterprise Engineering Research Laboratory; Blacksburg, Virginia	
Responsibilities:	
<ul style="list-style-type: none">➤ Developed requirements, architecture, processes and conducted testing for several clients	
Industrial and Systems Engineer	1997-1999
Tower Automotive; Roanoke, Virginia	
Responsibilities:	
<ul style="list-style-type: none">➤ Managed heavy truck production database➤ Designed and re-designed manufacturing line processes	