

Christian Venturino

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Profile	A detail-oriented professional who is self-motivated with excellent leadership, data analysis, and organizational skills. Experience in geological analysis, computer modeling, and mapping leading to technical reports. Strong team member looking to combine technical abilities with professional experience in a challenging focused role.			
Education	University at Buffalo, The State University of New York Master of Science (M.S.), 2016, Geological Sciences <i>Wrinkle Ridges in Syrtis Major, Mars: Origin and Evolution.</i> Dr. Tracy K. P. Gregg, advisor, GPA: 3.7 Bachelor of Science (B.S.), 2012, Geological Sciences			
Professional Experience	University at Buffalo Department of Geology, 2015-2016 <i>Graduate Teaching Assistant, Buffalo, NY</i> <ul style="list-style-type: none">Responsible for teaching, planning, and grading labs and lectures for both graduate and undergraduate students.Courses involved: Introduction to Geology, Geologic Mapping, and Hydrogeology NASA – Lunar and Planetary Institute, 2015 <i>SSERVI Summer Exploration Researcher, Dr. David Kring, Houston, TX</i> <ul style="list-style-type: none">One of a seven member team to constrain a rover traverse within the Schrödinger basin, Moon as part of the Human-Assisted Sample Return Mission Concept named The Human-Enhanced Robotic Architecture and Capability for Lunar Exploration Science (HERACLES)Mission is in conjunction with NASA’s Orion Multi-Purpose Crew Vehicle and involves members from ISECG, CSA, ESA, NASA, JAXA, and RoscosmosResponsible for determining soil mechanics and rover trafficability of Schrödinger’s pyroclastic vent material through remote sensing platforms Columbine Logging, Inc. 2012 – 2014 <i>Remote Geosteering Geologist & Lead Wellsite Geologist, Denver, CO</i> <ul style="list-style-type: none">Responsible for remote geosteering up to four active rigs simultaneously, located primarily in the Denver-Julesberg, Williston, Bakken, and Permian basins.Analyze and interpret well gamma data on both SES and Well Direct Programs for records and to better understand well bore pathUse seismic, drilling data, mudlogs, and offset wells to accurately recommend target changes in order to increase in-zone statisticsWellsite Geology to generate Vertical and Horizontal digital logs of exploration and productionPerform lithologic descriptions of cuttings located primarily in the Denver-Julesburg Basin NASA – Johns Hopkins University Applied Physics Laboratory, 2011 <i>Planetary Geology and Geophysics Undergraduate Research Program (PGGURP), Dr. Nathan Bridges, Laurel, MD</i> <ul style="list-style-type: none">One of twenty-three interns elected to participate in the Applied Physics Lab Concurrent Engineering Project (ACE) where an objective was to design a mission concept that would explore the interior structure of Mars on a Discovery Budget (\$500M)Appointed as the Science Team Lead for the ACE Project overseeing a team of six other science interns. Responsibilities included facilitating meetings, cataloging data, contacting resources, and presenting the science portion for the final mission conceptObserved aeolian features on the surface of Mars better understand morphology and wind circulation University at Buffalo Department of Geology, 2010 - 2011 <i>Undergraduate Research Assistant, Dr. Marcus Bursik, Buffalo, NY</i> <ul style="list-style-type: none">Analyzed and logged tephra ash bed units of the Mono-Inyo craters using Geocommunicator (GIS) Barron and Associates, P.C., 2009 - 2010 <i>Geotechnical Consultant, Buffalo, NY</i> <ul style="list-style-type: none">ASTM Grade I certified field technician for the testing of all materials as well as inspection and modification of structural rebar and column supportsPerformed and aided in phase I & II environmental assessmentsGeological tasks include core analysis, moisture profiles, hydrometer tests, proctor tests, and atterberg tests			
Leadership & Involvement	Science Team Lead (NASA – Applied Physics Lab Concurrent Engineering Project), 2011 Volunteer Work - Center for Lunar Science and Exploration (2016), University at Buffalo Student Association (2008) Graduate Geology Club , 2014- Present			
Relevant Courses	Structure Hydrogeology	Calculus GIS	Computer Programming Geologic Hazard & Risk	Mineralogy Geophysics
Technical Skills	Microsoft Office CAD ENVI	MODFLOW C++ SES	R HEC-RAS Well Direct	JMARS MATLAB ArcGIS