



PROFILE

Mr. Miller's research spans a wide range of ecological phenomena, from microbiology and soil-plant interactions to remote sensing and landscape scale fire sciences. His current work focuses on integrating LiDAR and satellite imagery to assess post-fire ecosystem change. He has collaborated with researchers from the U.S. Forest Service, Washington Department of Natural Resources, and The Nature Conservancy. He also has on-the-ground experience in forest management including timber sales and wildland firefighting.

CONTACT

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PUBLICATIONS

"Air-quality challenges of prescribed fire in the complex terrain and wildland urban interface surrounding Bend, Oregon." 2019. Atmosphere, Vol. 10 (515).

"The effects of forest restoration on ecosystem carbon in western North America: A systematic review." 2018. Forest Ecology and Management, Vol. 429 (1).

"Combining multi-source remotely sensed data and a process-based model for forest aboveground biomass updating." 2017. Sensors, Vol. 17(9).

"Assessing Douglas-fir seedling establishment using two modified Forestry Reclamation Approaches in the Pacific Northwest." 2015. Forests, Vol. 6(8).

COLTON MILLER

EXPERIENCE

Forest Ecologist – Vibrant Planet

2020 to present
Incline Village, NV

Graduate Research Assistant - Remote Sensing and Geospatial Analysis Laboratory, University of Washington

2017 to present
Seattle, WA

Intern - Conservation, Recreation, and Transactions Division, Washington Department of Natural Resources

2018
Olympia, WA

Graduate Research Assistant - Pacific Wildland Fire Sciences Laboratory, University of Washington & U.S. Forest Service

2016 - 2017
Seattle, WA

Pre-Sale Forester - Quinault Indian Nation

2013 - 2015
Taholah, WA

Forest Ecology Field Research Intern - Cloquet Forestry Center, University of Minnesota

2011
Cloquet and Ely, MN

Laboratory Assistant Intern - Arcadia Biosciences

2010 - 2011
Seattle, WA

Laboratory Assistant Intern – Department of Geography, University of California, Los Angeles

2010
Los Angeles, CA

EDUCATION

University of Washington

2014 – present
Environmental and Forest Sciences (PhD – ABD, expected completion 2021)

University of Washington

2011 – 2013
Forest Resources (Master of Science)

University of California, Los Angeles

2005 – 2010
Geography/Environmental Studies (Bachelor of Arts)