



## PROFILE

Dr. 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

WEBSITE:  
[www.vibrantplanet.net](http://www.vibrantplanet.net)

EMAIL:  
[colton@vibrantplanet.net](mailto:colton@vibrantplanet.net)

## SELECT 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

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**Forest and Fire Ecologist – Vibrant Planet**  
2020 to present  
Incline Village, NV

**Graduate Research Assistant - Remote Sensing and Geospatial Analysis Laboratory, University of Washington**  
2017 to 2022  
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

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**University of Washington**  
2022  
Environmental and Forest Sciences (PhD)

**University of Washington**  
2013  
Forest Resources (Master of Science)

**University of California, Los Angeles**  
2010  
Geography/Environmental Studies (Bachelor of Arts)