

# Robert T. Slider

247 McCormick St.  
Williamston, MI  
48895

517-896-6194  
sliderro@gvsu.edu

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- Education** B.S. Biology with Honor, Grand Valley State University, April 25<sup>th</sup>, 2009  
Undergraduate GPA: 3.81
- M.S. Biology, Grand Valley State University, Currently Enrolled  
NA
- Personal Statement** Seeking a Ph.D. in Plant Biology with intention to teach at college level
- Work Experience**
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|---------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Grand Valley State University<br>Allendale, MI<br>June 2007-Present | <b>Research Assistant</b><br>Performed data collection and site maintenance at field sites in Barrow and Atqasuk, Alaska. Tasks included taking measurements, data analysis, lab maintenance, development of outreach programs, and presentations. |
| PI Engineering<br>Williamston, MI<br>June-August of 2005, '06, '09  | <b>Assistant to Engineering and Production Departments</b><br>Performed various tasks including testing electronics, landscaping, constructing shelving & workspaces, driving, and operating machinery.                                            |
| Fresh Food Company<br>Allendale, MI<br>August 2006 – November 2006  | <b>Campus Dining Student Employee</b><br>Assisted in food preparation and service.                                                                                                                                                                 |
- Publications**
- Hollister RD, Webber PJ, **Slider RT**, Nelson FE, Tweedie CE. 2008. Soil temperature and thaw response to manipulated air temperature and plant cover at Barrow, and Atqasuk, Alaska. In Ninth International Conference on Permafrost. Institute of Northern Engineering, University of Alaska, Fairbanks. 729-734 pp.
- Mattox S, Bostelman S, Breimayer J, Bumstead L, Butler K, Check D, Cooke S, DeWitt A, Gray J, Harris N, Hazel M, Hendershot B, Hernandez J, Jorgensen A, Lewis E, Mathews I, Mishler R, Murray M, Pisz M, Rickens A, Rumpz S, Sauve R, Schmidendorff A, **Slider RT**, Stempky A, Stevens B, Vender Boon K, Verwey G. 2008. The Presentation of Science in a Mid-Sized Newspaper, a Quantitative Study. In MSTA Journal. National Association of Geology Teachers, Inc. 53, 24-28.
- Presentations**
- Talks*
- (\* indicates presenter)
- Slider RT\***, Hollister RD. 2009. Plant reproductive responses to natural and experimental temperature variation in Barrow and Atqasuk, Alaska. Michigan Academy of Science, Arts & Letters. March 20, 2009. Detroit, Michigan.
- Slider RT\***, Hollister RD. 2008. Plant responses to experimental and natural warming in Barrow and Atqasuk Alaska. 15<sup>th</sup> International Tundra Experiment Workshop. October 10-12, 2008. Reykjavik, Iceland.
- Hollister RD, Webber PJ, **Slider RT\***, Nelson FE, Tweedie CE. 2008. Soil Temperature and Thaw Response to Manipulated Air Temperature and Plant Cover in Barrow and Atqasuk, Alaska. Ninth International Conference on Permafrost (NICOP). June 29-July 3, 2008. Fairbanks, Alaska.
- Slider RT\***, Hollister RD. 2008. Insulating Properties of Changing Tundra Vegetation. Grand Valley State University's Student Scholarship Day. April 8, 2008. Allendale, Michigan.

**Posters**

**Slider RT\***, Hollister RD. 2009. Reproductive Responses of Arctic Plants to Temperature Variation. Grand Valley State University's Student Scholarship Day. April 8, 2009. Allendale, Michigan

**Slider RT\***, Hollister RD. 2008. Plant Responses to Temperature in Barrow and Atqasuk, Alaska. Van Andel Research Institute. Second Annual West Michigan Regional Undergraduate Science Research Conference. November 1, 2008. Grand Rapids, Michigan.

Hollister RD\*, May J, **Slider RT**, Snyder A & Lothschutz M. 2008. Grand Valley State University REU projects at Barrow & Atqasuk. ITEX during the International Polar Year: International Tundra Experiment – 15<sup>th</sup> Workshop. October 10-12, 2008. Reykjavik, Iceland.

Hollister RD\*, May J, **Slider RT**, Snyder A, Lothschutz M. 2008. Grand Valley State University REU projects at Barrow & Atqasuk during the 2007 field season. Arctic Observatories Network (AON) PI Meeting. March 17-18, 2008. Palisades, New York.

Mattox S, Bostelman S, Breimayer J, Bumstead L, Butler K, Check D, Cooke S, DeWitt A, Gray J, Harris N, Hazel M, Hendershot B, Hernandez J, Jorgensen A, Lewis E, Mathews I, Mishler R, Murray M, Pisz M, Rickens A, Rumpz S, Sauve R, Schmidendorff A, **Slider RT**, Stempky A, Stevens B, Vender Boon K, Verwey G. 2008. The Presentation of Science in a Mid-Sized Newspaper. Grand Valley State University's Student Scholarship Day. April 8, 2008. Allendale, Michigan.

**Professional Meetings Attended**

Michigan Academy of Science, Arts, & Letters. March 20, 2009. Detroit, Michigan.

Second Annual West Michigan Regional Undergraduate Science Research Conference. November 1, 2008. Grand Rapids, Michigan.

15<sup>th</sup> International Tundra Experiment Workshop. October 10-12, 2008. Reykjavik, Iceland.

Ninth International Conference on Permafrost. June 29-July 3, 2008. Fairbanks, AK.

Michigan Science Teachers Association Conference. March 8, 2008. Lansing, MI.

**Professional Memberships**

**Michigan Science Teachers Association**. February 2008-Present  
Organization dedicated to advancing the quality of science education and educators

**Permafrost Young Researchers Network**. July 2008-Present  
International organization focused on fostering research skills of undergraduate and graduate students involved in permafrost-related studies.

**Other Professional Development**

Learn to Return Survival Training Systems  
Boulder, CO  
March, 2008

**Field Safety Training**

Participated in program designed to prepare researchers for potential hazards in Arctic field work. Earned certification in Wilderness First Aid, Bloodborne Pathogens, and Adult CPR/AED from the American Red Cross.

GVSU IT Department  
Allendale, MI  
January, 2008

**Dreamweaver Training Workshop**

Participated in a program designed to introduce Adobe Dreamweaver to students and faculty members of GVSU.

**Community Service Talks**

**Climate Change in the Arctic & Work as a Researcher**. Williamston High School, Williamston, Michigan. May 15, 2009.

**Climate Change & the Tundra**. Williamston Elementary School. Williamston, Michigan. March 3, 2009.

**Arctic Plants & Climate Change.** Webberville Middle & High Schools. Webberville, Michigan, December 18, 2008.

**Arctic Plants & Climate Change.** Williamston Elementary & Middle Schools. Williamston, Michigan, December 15-16, 2008.

**Plant Changes in Barrow and Atqasuk:** Perspectives of an Assistant Researcher. Barrow Arctic Science Consortium. Barrow, Alaska, August 8, 2008.

**ITEX in Polar Trek.** Barrow Arctic Science Consortium. Barrow, Alaska, July 24, 2008.

**Barrow Alaska: Perspectives of an Assistant Researcher.** Grand Valley State University. Allendale, Michigan, March 24, 2008.

**Barrow Alaska: Perspectives of an Assistant Researcher.** Webberville Middle School. Webberville, Michigan, December 16, 2007.

**Outreach**

**Website Developer:** <http://faculty.gvsu.edu/hollistr/>  
Created website for the Grand Valley State University Arctic Ecology Program.

**Event Organizer:** The North Slope Safari. Super Science Saturday Open House: Polar Themes in Science and Culture. International Polar Year 2007-2008. January 26, 2008.  
Created hands-on activities related to Arctic ecology for K-12 students and their families.

**Other**

**Science Olympiad Assistant.** March, 2008.  
Supervised activities of students as they participated in competitions with scientific themes.

**Elementary School Mentor.** October-November, 2006  
Worked with staff at Dickinson Elementary School to guide and teach elementary students.

**Middle School Camp Counselor.** November, 2004.  
Worked with Williamston Community Schools and YMCA camp staff to guide and teach 7<sup>th</sup> grade students at a YMCA Camp.

**Elementary School Camp Counselor.** October, 2004.  
Worked with Williamston Community Schools to guide and teach 5<sup>th</sup> grade students at a YMCA Camp.

**Awards & Scholarships**

**GVSU Graduate Assistantship.** April, 2009.  
Awarded based on entrance essay, GRE scores, and letters of recommendation. Allows for two years of study in a graduate-level program.

**GVSU Biology Department Outstanding Senior Award.** March, 2009.  
Awarded for success in academics & extracurricular activities along with service to the college and community.

**GVSU Biology Department Outstanding Achievement Award.** April, 2008 & 2009  
Awarded for success in biology coursework

**GVSU Niemeyer Undergraduate Student Award (Nomination).** March, 2009  
Nominated based on academic success and extracurricular achievement.

**GVSU Dean's List.** Fall 2005- Winter 2009  
Awarded for earning 12 credits or more with a GPA of 3.5 or higher.

**GVSU Student Enrichment Travel Grant (\$400).** 2008.  
Awarded for travel to a professional conference with a faculty mentor. Funding was used to

offset travel expenses for the 15<sup>th</sup> ITEX Conference in Reykjavik, Iceland.

**GVSU Salski Grant** (\$1,000 over 1 year). 2008.

Awarded for success in scientific studies to aid in the continuation of those studies.

**GVSU Award of Distinction Faculty Scholarship** (\$10,000 over 4 years). 2005-2009.

Awarded for academic success in high school and performance on essay and interview competition through GVSU.

**GVSU Award for Excellence** (\$4,800 over 4 years). 2005-2009.

Awarded for academic achievement in high school.

**Michigan Merit Award** (\$2,400 over 2 years). 2005-2007.

Awarded for success in the Michigan Educational Assessment Program (MEAP)

**Red Cedar Jubilee Scholarship** (\$3,000 over 1 year). 2005.

Awarded for academic achievement in High School and performance on essay competition through Williamston High School

**Extracurricular  
Activities**

**GVSU Biology Club**

Member: 2007-2009

Organization interested in all things Biology related.

Activities included community service, fund raising, and discussions with guest lecturers.

**GVSU Kung Fu Club**

Member: 2007-2008

Organization dedicated to the art of Northern Shaolin Long Fist Kung Fu.

**GVSU Dodgeball Club**

Member: 2005-2007

Organization dedicated to the sport of dodgeball. Activities included community service, fund raising, and participation in organized matches against teams from other schools.

**GVSU Teachers of Tomorrow**

Member: 2005-2007

President: 2006-2007

Organization dedicated to professional development of students pursuing careers in education. Activities included community service, discussions with guest lecturers, and maintaining contact with parent organization, Phi Delta Kappa (PDK).

**References**

**Dr. Robert Hollister**

Grand Valley State University

Phone: 616-331-8582

Email: hollistr@gvsu.edu

**Dr. Jim Dunn**

Grand Valley State University

Phone: 616-331-3439

Email: dunnj@gvsu.edu

**Dr. Steven Oberbauer**

Florida International University

Phone: 305-348-2580

Email: oberbaue@fiu.edu