

Dr. Simon Strasser

Education

- Bachelor of Education**, The University of Western Ontario (2009)
Intermediate-Senior, Physics and Mathematics
- PhD in Astrophysics**, University of Minnesota (2006)
Doctoral Dissertation Fellowship, NSERC Postgraduate Scholarship.
- MSc in Physics**, University of Calgary (2002)
Alberta Ingenuity Fund Studentship, Graduate Research Scholarship, University of Calgary Tuition Scholarship, Ontario Graduate Scholarship.
- BSc in Astronomy**, The University of Western Ontario (2000)
NSERC Undergraduate Student Research Award, Gold medal for highest graduating average.
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Teaching Experience

- Teacher Candidate**, Clarke Road Secondary School (Mar. – Apr. 2009)
Taught grade 9 applied math, grade 12 college math, grade 12 advanced functions.
- Teacher Candidate**, Glencoe District High School (Nov. – Dec. 2008)
Taught grade 10 applied science, grade 11 physics, and grade 12 physics.
- Teacher Candidate**, South Secondary School (Oct. 2008)
Taught and observed grade 11 mathe. Special presentation on extraterrestrial life to grade 9 science class.
- Content Specialist in Space**, London Regional Children's Museum (01/08 – current)
Present education programs, planetarium shows, and space activities. Exhibit and programs development.
- Teaching Assistant**, University of Minnesota (2002 – 2006)
Taught first and second year Astronomy laboratories and tutorials.
- Teaching Assistant**, University of Calgary (2000 – 2002)
Taught first year Physics laboratories and tutorials.
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Volunteer and Public Outreach Experience

- Science Fair Judge** (2007 – 2009)
Judged elementary and high school science fair projects in Penticton BC, and London ON.
- Volunteer**, Upper Thames River Conservation Authority, (2007 – 2008)
Participated in deer count, and helped with research project on deer populations.
- Simon Strasser
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Volunteer and Public Outreach Experience (Continued)

- Volunteer**, Science Museum of Minnesota (2005 – 2006)
Presented interactive experiments to the public.
- Volunteer**, International Wolf Center (2005 – 2006)
Teaching the public about wolves, their interactions with the environment and humans.
- Presenter**, University of Minnesota - Universe in the Park Program (2003 – 2005)
Planned and presented two to three public observing programs in Minnesota state parks each summer.
- Presenter**, Astronomy Outreach, University of Minnesota (2002 – 2006)
Gave presentations in diverse settings, from high school science fairs to retirement communities.

Other Employment

Postdoctoral Fellow, Dominion Radio Astrophysical Observatory (01/07 – 05/07)

Data reduction and analysis, research on Galactic neutral hydrogen, outreach.

Research Specialist, University of Minnesota (08/06 – 12/06)

Led research program on astrophysics of the Galactic neutral hydrogen, professional publication.

Research Assistant, University of Minnesota (2000 – 2006)

Conducted and published research in support of my masters and PhD theses.

Student Research Assistant, University of Western Ontario (1999 – 2000)

Participated in research on magnetic stars, including doing observing runs, reducing data, and writing articles.

Additional Skills and Experience

Languages

Fluent in English, French and German.

Computers

Extensive experience in programming and general computer related areas. Six years professional experience with IDL data analysis. Skilled with Windows and UNIX based programs, and HTML web design.

Webmaster for Department of Astronomy, University of Minnesota, (2003-2006).

Construction

Two years work experience in framing, roofing, electrical, and other aspects of home renovation.

Personal Interests

The environment and outdoor sports, choral singing (Fanshawe Chorus London, 2009), and social justice issues.

Professional Development

Attended the Canadian Space Agency Space Educators conference in 2008 and 2009.