

## Education

- Summer 2008 **Ph.D. Geosciences**, Princeton University.
- 2003 – 2005 **M.A. Geosciences**, Princeton University, *GPA: 3.95/4.0*.
- Analyzed the response of ocean biology to climate change using satellite observations and coupled climate models.
  - Developed a new ecological paradigm for the subarctic Atlantic and Pacific (in review at *Nature*).
  - Co-authored proposal and secured \$3.5 million in NASA funding for a large collaborative research project.
- 2001 – 2002 **M.Sc. Environmental Engineering**, Michigan Technological University, *GPA: 4.0/4.0*.
- Developed numerical model for sediment processes in drinking water reservoirs (published in *Ecological Modelling*).
- 1998 – 2004 **Dipl.-Ing. Umweltschutztechnik (Env. Engineering)**, Universität Stuttgart, Germany, *GPA: 3.8/4.0*.
- Areas of Emphasis: Environmental and Regional Development Planning, Water Resources Engineering and Management, Water Quality Management and Water Supply

## Leadership Experience

- 1996 – 2001 **Candidate for German Parliament (“Bundestag”) in 1998 Federal Elections. Party Executive on State Level, Vice-Chairman and Press Officer on Regional Level.**
- At age 20, won 7.6% of the vote and finished third out of seven candidates in electoral district.
  - Organized and ran election campaign including strategic planning, fund-raising, and media appearances.
  - Participated in public speaking events, debates, and panel discussions before a variety of audiences.
  - Authored white papers on sustainable development, pension fund reform, children’s rights, and election reform.

## Work Experience

- 2005 & 2006 **Teaching Assistant and Lab Instructor**, “Introduction to Oceanography”, Princeton University.
- Lectured, updated curriculum, created and implemented lab exercises, assisted students in lab experiments.
- Summer 2004 **Visiting Researcher**, NASA Goddard Space Flight Center, Ocean Biogeochemistry Group, Greenbelt, MD.
- Analyzed satellite observations of biological production in the ocean.
- 1997 & 2000 **Summer Intern**, DaimlerChrysler AG, Sindelfingen, Germany.
- Revised environmental management (ISO 14001) handbook for world’s largest Mercedes assembly plant.
- 1997 – 1998 **Civilian Service**, Gemeinnützige Werkstätten und Wohnstätten GmbH, Calw, Germany.
- Supervised vocational and recreational activities for adults with developmental disabilities.
  - Managed daily warehouse operations including shipping and receiving and flow of materials.

## Fellowships and Awards

- 2007 – 2008 Princeton University Harold W. Dodds Honoric Fellowship
- 2005 – 2008 NASA Earth and Space Science Fellowship
- 2003 – 2004 Princeton University Graduate First Year Fellowship
- 2001 – 2002 German-American Fulbright Commission Study Abroad Fellowship
- 2001 – 2002 Dr. Peter Schäfer Fellowship for research in sustainable development
- 1998 – 2003 Fellow of the Studienstiftung des Deutschen Volkes
- October 2002 First Place Oral Presentation Award, Midwest Environmental Chemistry Workshop, Chicago, IL.
- June 2004 Second Place Poster Presentation Award, 1st International CLIVAR Science Conference, Baltimore, MD.

## Skills

- Languages German (native), English (native), French (fluent)
- Computer S-Plus, Matlab, Excel, VBA, Shell script (bash), HTML, PHP, numerical methods