

Andrew Simpson
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Education

California State University, Chico, Chico, CA

M. S. in Botany (pending)

University of California, Riverside, Riverside, CA

M. S. in Geology, June 2005

University of California, Santa Barbara, Santa Barbara, CA

B. A. in Biology, June 2003

Research Experience

Research Assistant, Department of Biological Sciences, California State University, Chico, 2007-present (Supervisor: Kristina Schierenbeck)

- Constructed and analyzed ecologic data for California chaparral shrubs from published literature
- Continuing work will involve other aspects

Research Assistant, Department of Earth Sciences, University of California, Riverside, CA, 2003-2005 (Supervisor: Nigel Hughes)

- Photographed and measured fossil specimens using a stereoscopic microscope
- Analyzed photographic data using image-manipulation and landmark morphometrics software
- Identified and conducted statistical tests for analyzing morphometrics data
- Wrote, submitted, and published description of new species

Undergraduate Research Thesis, University of California, Santa Barbara, CA, 2000-2003 (Supervisor: Stanley Awramik)

- Measured, analyzed, and described microfossil specimens using a petrographic microscope
- Photographed specimens with petrographic light microscopy
- Wrote and submitted description of new species (still in review)

Summer Research Fellowship (internship), Woods Hole Marine Biological Laboratory, Woods Hole, MA, 2002 (Supervisor: Roger Hanlon)

- Made qualitative and quantitative observations of behavior of long-finned squid (*Loligo pealei*) in laboratory conditions

Field Experience

- Approximately seven weeks' course-related work in California flora, geology, and paleontology, at University of California, Santa Barbara, 1999-2003
- Five days assisting Mark Webster (University of Chicago) collecting fossils in Lower Cambrian rocks in Nevada, 2006

- Approximately one month collecting dinosaur fossils in the Jurassic of Utah with Utah Field House of Natural History curator Heather Finlayson

Teaching Experience

Teaching Assistant, Department of Biological Sciences, California State University, Chico, CA, 2007-present (Supervisor: Ailsie McEnteggart)

Teaching Assistant, Department of Geophysical Sciences, University of Chicago, Chicago, IL, 2005-2006 (Supervisors: Pamela Martin and Douglas MacAyeal)

- Led undergraduate laboratory sessions on climatology and archaeology (ArcGIS)

Teaching Assistant, College of Creative Studies [Biology], University of California, Santa Barbara, CA 2003 (Supervisor: Bruce Tiffney)

- Led undergraduate laboratory sessions on specimen-based paleontology

Curatorial Experience

Collections Internship, Utah Field House of Natural History, Vernal, Utah, July 2006-present (Supervisor: Heather Finlayson)

- Identified collections of plant fossils contributed by previous donors and curators
- Collected dinosaur fossils (see field experience)
- Organized collections of plant, invertebrate, and mammal fossils

Publications

- Simpson et al 2005, Development of the caudal exoskeleton of the pliomereid trilobite *Hintzeia plicamarginis* new species, *Evolution and Development* 7(6):528-41.
- Simpson, 2005. Master's Thesis, University of California Riverside
- Geological Society of America *Abstracts with Programs*, 2004, 2005, 2006, 2007

Invited Talks

- Presentation of (UC Riverside) Master's research, Universität Zürich, Switzerland, November 2006

Skills

- **Specimen identification:** Fossil plant and invertebrate, living plant
- **Microscope:** Binocular and petrographic
- **Field:** Geological mapping and fossil collecting, observational field ecology, can use a small jackhammer for excavating large vertebrate fossils (e.g. dinosaurs)
- **Public/Scientific speaking**
 - Geological Society of America oral presentations (see publications)
- **Computer:** R, Microsoft Office (Power Point, Word, Excel), Integrated Morphometrics Package

Awards

- **University of California Regents Scholar** at Santa Barbara, 1998

- **Robert M Norris Prize in Field Geology** at University of California, Santa Barbara, 2000