

## Jin-Si Over

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UNCW 601 South College Rd. Wilmington, NC 28403

### Objective

My ultimate goal is to become a geological and oceanic research scientist. I am interested in studying coastal dynamics, paleoclimate, and recent climate change focusing on the impacts of sea level.

### Education

University of North Carolina Wilmington – Honors College

Bachelor of Science

Expected graduation: December 2016

Major/Minor: Geology/Oceanography

Major GPA: 4.00 / 4.00

Overall GPA: 4.00 / 4.00

### Pertinent Courses

Geological Oceanography	Field Methods in Geosciences	Marine Biogeochemistry
Global Climate Change	Barrier Island Ecology	Petrology
Structural Geology	Mineralogy	Invertebrate Paleontology
Physical Oceanography	Sedimentology and Stratigraphy	Calculus/Analytical Geometry II
Remote Sensing	Sedimentary Environment Analysis	*GIS summer course in Hawaii

### Honors and Awards

2016	Senior Medallion Cornerstone Award
2016	Distinguished Undergraduate Research Scholar – UNCW Recognition
2016	Geology and Geography Department Outstanding Service Award
2015	NOAA Ernest F. Hollings Undergraduate Scholar
2015	Paleontological Society Student Ambassador and Grant Recipient
Spring 2015	Victor Zullo Memorial Scholarship - achievement for research in geology
Spring 2014	Departmental Excellence in Geology and Oceanography
Fall 2013 - Present	H R Martindale Honors Merit Scholarship
Fall 2013 - Present	Deans List

### Research Experience/Employment

2016 Summer *Student Intern*, University of Hawaii – SOEST and SeaGrant

Dr. Chip Fletcher – Coastal Geology Group

- NOAA Hollings Scholarship Internship
- Participated in a ArcGIS course – geologic mapping focus
- Trained in aerial orthophotogrammetry procedures in PCI Geomatica
- Exposure to policy and coastal management activities
- Won “Outstanding Oral Presentation” at NOAA Hollings Scholarship Symposium
- Abstract submitted to American Geophysical Union conference in San Francisco

2016 - Present *Tutor*, University Learning Center

- Tutor BIO, PHY, GLY, and OCN classes
- CRLA International Tutor Training Program Level 1 Certification

2013 - Present *Research Assistant*, UNCW Center for Marine Science

Dr. Andrea Hawkes - Sea Level Research Lab

- Directed Independent Study - Newfoundland Sea Level study

- Identification and enumeration of calcareous and agglutinated foraminifera from Africa, Argentina, Canada, Oregon, and North Carolina, Sumatra; field work using a gouge core and Russian core
- Sediment preparation for isotopic analyses of bulk sediment and calcareous foraminifera
- GLY 499 Honors thesis – Quantifying displacement after earthquakes using foraminiferal assemblages

2015 Summer            *Lab Technician*, Houston, TX

Ellington Engineering

- Collected biostratigraphic data in cores

2015 Summer            *Student Intern*, Old Dominion University

Dr. Hans-Peter Plag – Center for Coastal Physical Oceanography

- REU for Global Climate Change and Sea Level Rise
- Project title: “Contribution of sea surface height changes and subsidence to local sea level changes at the U.S east and west coasts.”
- Basic MATLAB skills and time series analysis of tide gauges, GPS, and satellite altimetry data
- Research cruise experience: Niskin bottle set-up, box core, and chemical pipetting

2015 Spring            *Student Research Project*, UNCW

Dr. Patricia Kelley - Invertebrate Paleontology Lab

- Examination of changes in the marine ecosystem of the Carolinas over the Plio-Pleistocene extinction through group collection of bivalve samples in the field
- Side honors project on the Morgarts Beach Member of the Yorktown Formation, analysis of diversity, predation, and ecology of bivalves
- Primary presenter of poster at Geological Society of America National conference in Baltimore 2015

2014 Fall                *Field Assistant/Volunteer*, UNCW - Clear Pond, SC

Dr. Chad Lane - Stable Isotope Geochemistry, Paleolimnology Lab

- Sediment collection using gravity push core on self-assembled floating platform

2013, 2014 Summer   *Lab/Field Assistant*, SUNY Geneseo

Dr. Jeffrey Over - Biostratigraphy Lab

- Upper Devonian collection for magnetic susceptibility, tephra chronology, conodonts
- Conodont laboratory procedures: sample prep, acid digestion, sieving, density separation, picking
- Improved skill set with SEM and EDS experience

## **Publications**

Kelley, P.H., **Over, J-S. R.**, Neely, S.H., Erdie, R.J., Macnair, C.C., Oakes, W.D., Qunito, C.A., Vanderkin, H.R., and Dietl, G., (2015). Geographic and temporal comparisons of bivalve diversity in the Plio-Pleistocene of Virginia and the Carolinas. *Geological Society of America Abstracts with Programs*. Vol. 47, No. 7, p.337.

**Over, J-S. R.**, Hawkes, A.D., Donnelly, J., (2014). Assessing the Utility of Foraminiferal Assemblages in Developing Late Holocene Sea-level Records in Newfoundland, Canada. *Geological Society of America Abstracts with Programs*. Vol. 47, No. 2, p.76.

## **Volunteer/Extracurricular**

2015 – Present Student Honors Advisory Council, *Member*

- Hosting student/faculty events
- Review Honors College applications

2013 - Present UNCW Geology Club, *President* (2015-2016), *Vice President* (2014)

- Preside meetings, organizes club trips, fundraisers, and department gatherings
- Building teamwork, leadership, and social skills

2014 - 2015 UNCW Phi Eta Sigma National Honor Society, *Treasurer* (2014)

- Initial founder of organization on campus, student financial planner, organizer of events

2014 - Present UNCW Women in Science and Engineering, *Member*

- Volunteered with WiSE at the Cape Fear Science Museum and at the Regional Science Fair

2014 - 2016 Wilmington Regional Science Olympiad, *Moderator*

- Set up, judged, and graded Rocks and Minerals, GeoLogic, and Fossil event

2013 - Present North Carolina Aquarium at Fort Fisher, *Volunteer*

- 100+ hours in Education Department
- Interaction with kids and adults and trained new volunteers

2010 - 2014 USA Hockey Ice Hockey Referee (Level 2)

- Acquired respectable communication skills, judgment, and integrity of character

## **Memberships**

- Geological Society of America
- American Geophysical Union
- American Institute of Professional Geologists
- Wilmington Fellows – Organization within Honors College focusing on leadership and building skills to be competitive for major scholarships and awards. Engage in workshops, student tours, and student mentoring. Must maintain a 3.75 GPA.

## **Additional Activities/Skills/Interests**

- Skilled with Adobe Illustrator, Microsoft Word, Excel, PowerPoint, and worked with Adobe InDesign and Corel Draw
- Attended International Coral Reef Symposium (2016)
- Gave a talk at North Carolina Honors Conference (2015) in Asheville
- Good command of French and working knowledge of Mandarin
- Attended international geological conferences in Morocco (2012) and England (2010)
- Additional travel experience in Austria, China, England, Italy, Malaysia, and Vietnam
- Unicyclist