

Mackenzie Clay

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Education

University of California, Los Angeles, Los Angeles, CA Sep. 2012 - present
PhD Student, Chemical and Biomolecular Engineering

Seattle University, Seattle, WA Sep. 2007 – Dec. 2011
B.Sc. in Chemistry with minor in Mathematics, 3.68 GPA

Research Experience

University of California, Los Angeles Sep. 2012 - present
Graduate Student Researcher, for Dr. Harold Monbouquette

- Modeling enzyme-coated microsensors for the detection of neurotransmitters
- Modeling electrophoresis in microfluidic systems for DNA detection devices
- TA for ChemE 101B, Heat Transfer (Winter 2015)

Seattle University, Seattle, WA Jun. 2009 – Dec. 2011
Undergraduate Researcher, for Dr. Joseph Langenhan

- Modeling the structural preferences of glycosylated oxyamines and hydrazines to guide experimental work and quantify the anomeric effect
- Murdock Undergraduate Research Conference Presentation: “Quantifying the Anomeric Effect in Glycosylated Hydroxylamines and Hydrazines.” November 11, 2011.
- Natural Science Seminar Guest Speaker, October 21, 2011.

Awards and Honors

Eugene V. Cota-Robles Fellow, University of California, Los Angeles Sep. 2012
Outstanding Senior Chemistry Major, Seattle University Jun. 2011
Bannan Foundation Scholar, Seattle University 2009-2011.
Dean’s List in the College of Science and Engineering, Seattle University 2007 - 2011

Volunteer Work

University of Washington Spinal Cord Injury Forum, Panel Member for:

- “Growing into Adulthood with a Spinal Cord Injury” November 2009
- “Sports After SCI,” February 2010.

Other Interests

Creative writing, wheelchair rugby