

Ryan J. Erickson

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Available: June 2020

EDUCATION

	Dates
UNIVERSITY OF CALIFORNIA, SANTA BARBARA (UCSB), Santa Barbara, CA	
• Bachelor of Arts in Geography, Emphasis in GIS	June 2020
• Bachelor of Arts in Physics	June 2020
Chaffey Community College, Rancho Cucamonga, CA	
• Associate of Arts in University Studies: Mathematics and Science, IGETC	May 2017
Relevant Coursework and Skills:	
• Geographic Informational Science	
◦ Proficiency in ESRI ArcGIS at a user level	
◦ Experience with managing and maintaining geographic databases	
◦ Experience with flooding analysis and creation of analytical raster models	
• Remote Sensing	
◦ Proficient use in ENVI	
◦ Deep understanding of optical electronics and systems	
• Intermediate Computer Programming/Statistical Analysis skills in R	
◦ Ran statistical models on transportation and climate data	
◦ Applied different methods of clustering analysis and visual displays to data	
◦ Advanced mapping with OpenStreetMap and Leaflet packages	
• Basic Developing and Computation Skills in:	
◦ Java, SQL, Python, GIMP	
• Advanced Mathematics	
◦ Good understanding of calculus, linear algebra and differential equations	

RESEARCH EXPERIENCE

• Independent Studies under Instruction from Kostas Goulias	March 2020 – June 2020
◦ Analyzed and created datasets for other researchers to use	
◦ Conducted and displayed spatial statistics on raw data	
• Assistant Researcher to Somayeh Dodge for UCSB's MOVE Lab	June 2020 – Current
◦ Gathered data from multiple sources including Safegraph and Cuebiq	
◦ Created a contact index to quantify/analyze movements of people	
◦ Created mobility time series of counties during the COVID-19 pandemic	
◦ Frequently collaborated with other researchers and PhD. candidates	
• Instructional Assistant/Tutor	June 2020 – Current
◦ Taught students a variety of useful R libraries and data visualization concepts	
◦ Lectured students on how to use ESRI's ArcMAP Pro	

WORK EXPERIENCE

• Lead Lifeguard: University of California, Santa Barbara Recreational Center	May 2018 - June 2020
◦ Provided medical relief	
◦ Kept lifeguards up to date on EMS skills	
• Lifeguard: Los Angeles Parks and Recreation, Frank G. Bonelli Park	May 2017- June 2018
◦ Maintained clean and friendly work environment	
◦ Enforced park rules/often had to work with emergency services	
◦ Aided in customer service around the park	
◦ Adhered to strict dress code/regulations in a workspace	

REFERENCES

Dr. Somayeh Dodge
Assistant Professor at UCSB
UCSB Geography Department
Ellison Hall, 3160,
Santa Barbara, CA 93106
sdodge@geog.ucsb.edu

Somayeh is my current research advisor, though I am not enrolled at UCSB. She gave me a chance and allowed me to work with her group while I look for jobs. My research involves analyzing space-time mobility trends in relationships to COVID-19 transmission patterns.

Mr. Mike Johnson
PhD. Candidate at UCSB
UCSB Geography Department
Ellison Hall, 3160,
Santa Barbara, CA 93106
jmj00@ucsb.edu

Mike is a teacher's assistant and PhD. candidate at UCSB and has allowed me to aid in teaching a class at UCSB which covers topics in Geographical Informational Science in the Geography department at UCSB

Mrs. Debbie Miles-Dutton
Assistant Director for Aquatics and Safety
UCSB Department of Recreation
UCSB Recreation Center
Santa Barbara, CA 93106-3025
(805) 698-0742
debbiemilesdutton@ucsb.edu

Debbie was one of two bosses I had at the Recreation Center as a lifeguard and was the main boss, scheduler and coordinator for the pool deck.

Mr. Rick Van Hoorn
Aquatics Coordinator
UCSB Department of Recreation
UCSB Recreation Center
Santa Barbara, CA 93106-3025
(805) 451-5061
rick-vh@ucsb.edu

Rick was one of two bosses I had at the Recreation Center as a lifeguard and is the one who interviewed me before hiring me.
