

BAILEY BELLAVANCE

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EDUCATION

University of Arizona

MS, Geographic Information System Technology

December, 2018

Master's Project: "Mapping Earth Fissures in Arizona Using UAV-Based Multi-Angle Photography"

University of Arizona

BS, Geosciences with Earth Systems Emphasis

May, 2017

Senior Thesis: "Cave and Rockshelter Geoarchaeology and the Page-Ladson Site in Northern Florida"

AWARDS

Arid Land Resource Sciences 50th Anniversary Master's Student poster contest, 1st place 2018

Meet Arizona Community Needs Scholarship, MS-GIST Program 2018

Arizona Press Club Award for Student news reporting, 3rd place 2015

TEACHING EXPERIENCE

Teaching Assistant – Dr. Wim van Leeuwen, REM 590: Remote Sensing for the Study of Planet Earth

2018

Met with students during office hours, assisted with lab development, lectured on current research and remote sensing applications, and graded all student labs

RELATED EXPERIENCE

Arizona Remote Sensing Center, University of Arizona

Research Specialist

January 2019 – Present

Performed image processing and GIS procedures, analyzed remotely sensed data and assisted in assessing data obtained from experimental procedures, and operated and maintained laboratory equipment including UAVs, GPS, and spectrometers

Arizona Remote Sensing Center, University of Arizona

Graduate Assistant

March 2018 – December

2018

Created remote sensing-based labs for undergraduate class, developed several Story Maps documenting current research projects at ARSC, developed workflow for EMLID GPS

Arizona Geological Survey

Intern

May 2017 – August 2017

Assisted in the creation of a Story Map documenting the AZGS's landslide database, manually mapped Earth Fissures and updated fissure maps

Vance Holliday's Geoarchaeology Lab, University of Arizona

Undergraduate Research Assistant

Nov. 2016 – Nov. 2017

Prepared and sub-sampled soil for total carbon analysis and pretreated soils for particle-size analysis from the Page-Ladson prehistory site in Florida

The Daily Wildcat, University of Arizona

Science Editor and Reporter

May 2015 – August 2016

Lead team of reports in writing bi-weekly scientific articles, reported on scientific news and events and producing several articles a month, editing and preparing articles for publication

PUBLICATIONS & POSTERS

Mapping Earth Fissures in Arizona Using Multi-Angle UAV-Based Photography

Academic Poster Presentation, Research Insights in Semiarid Ecosystems 15th

Symposium & Arid Land Resource Sciences 50th Anniversary Poster Contest

2018

Geopathways – A University of Arizona – Pima Community College Partnership And Internship Program For Transfer Students (Co-Author)

Academic Poster Presentation, Geological Society Of America 129th Annual Conference

2017

“UA Research Team Discovers Liquid Water on Mars.”

Newspaper Article, The Daily Wildcat

2015

CERTIFICATIONS & LICENSES

Remote Pilot License, Federal Aviation Administration, June 2018

High Occupancy Vehicle Training, The University of Arizona, September 2017