

First Last

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EDUCATION

Reddit State University Graduated May 2016
Bachelors of Science GPA: 3.61
Major: Environmental Geography Minor: Geographic Information Science

EXPERIENCE

Research Assistant *August 2015 - May 2016*
Reddit State University Department of Geography *Reddit, CA*

- Assisted with the completion of geographic research led by a university professor
- Made technical recommendations to make data processing procedures more efficient and goal-oriented
- Acquired, manipulated, and stored different forms of spatial data in ArcGIS to meet research specifications
- Utilized ModelBuilder to batch process extensive amounts of LiDAR and land cover data
- Analysis of model outputs and presentation of initial research findings at an undergraduate research forum
- Documented spatial data editing processes for future research use and implementation

Parking Enforcement Student Supervisor *August 2012 – August 2015*
Reddit State University Police Department *Reddit, CA*

- Trained, instructed, and supervised parking enforcers and prescribed appropriate additional training
- Regularly assisted and communicated with senior campus officials to remediate campus parking concerns
- Patrolled an assigned area of campus in a university issued-vehicle and enforced local parking ordinances
- Displayed a professional demeanor while handling customer complaints and attending informal court hearings

PROJECTS

Environmental Image Chip Production *Spring 2016*

- Developed a method that extracts spatial images exhibiting specific environmental variables for survey use
- Utilized ArcGIS to manipulate shapefiles and implement random points into ModelBuilder to extract images

Kansas Vegetation Classification *Fall 2015*

- Remote sensing research requiring differentiation between grassed, shrubbed, and forested areas.
- Required LAS file storage, raster conversion, and statistical analysis in ArcMap. Point cloud visualization in ArcScene
- DEM and nDSM generation using ArcMap raster calculator and implemented in eCognition for classification

Environmental Waste Mapping *Spring 2015*

- Senior mapping project analyzing the effectiveness of campus-wide river clean-up practices
- Implementation of GPS-recorded field measurements into two thematic maps showing clean-up inefficiency

TECHNICAL COMPETENCIES

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|-------------------------------|----------------------------------|-----------------------|
| ▪ ArcGIS (4 years) | ▪ Cartographic Design (3 years) | ▪ HTML (2 years) |
| ▪ ENVI (1 year) | ▪ Google Earth (3 years) | ▪ CSS (2 years) |
| ▪ Adobe Illustrator (2 years) | ▪ Spatial Data Editing (3 years) | ▪ JavaScript (1 year) |
| ▪ ModelBuilder (1 year) | ▪ Spatial Analyst (2 years) | ▪ Excel (5 years) |

LEADERSHIP / AWARDS

Reddit State University Mixed Martial Arts Club President *August 2013 – August 2015*

- Directed, led, and supervised over 200 members in self-defense and personal fitness training
- Coordinated and facilitated all biweekly meetings and annual conferences
- Promoted members based on performance and bestowed responsibilities accordingly
- Managed club records, social media platforms, and finances

Provost Undergraduate Research Initiative Award Recipient *Fall 2015*

- Awarded to advanced undergraduate students who have displayed exemplary academic achievement and are concurrently assisting with cutting-edge research.

Spring 2016 Department of Geography Outstanding Senior

- Awarded to one graduating senior within the department who has shown dedication through academics, leadership and involvement on campus and in the community.