**Whitney Kelsey Newcomb**

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(760) 819-2680

**Education**

B.S. Environmental Science with a concentration in Geospatial Analysis

Humboldt State University (HSU), Arcata CA

Expected graduation May 2017 | GPA: 3.78

**Experience**

City of Eureka GIS Intern (Internship)

City of Eureka Planning Department

Eureka, CA | December 2016 – present

Provided GIS technical support for determining Eureka’s potential infill of vacant residential and commercial lots within the city. Used SketchUp to create potential site plans for vacant lots. Met weekly with City Planner to asses work and determine goals.

Instructional Student Assistant – Geospataial

HSU’s Natural Resources Department

Arcata, CA | August 2016 – present

Assisted students during scheduled open lab times in the GIS/remote sensing labs with various geospatial course work that included GIS lab assignments and projects, remote sensing lab assignments and projects, python geospatial programming, geospatial web development, and mobile mapping techniques. Provided problem-solving techniques to students requesting help.

GIS Data Manager (Internship)

HSU’s River Institute

Arcata, CA | Summer 2016

Managed and maintained database for graduate level project on salmonids of the Eel River, met weekly with supervisor to evaluate and determine goals, created several informational maps.

Instructional Student Assistant - Mathematics

HSU’s Mathematics Department

January 2015 – present

Read and evaluated student lab and homework assignments and recorded scores and maintained student grades in online learning modules and met with the professors as needed to specify grading duties. Bio-statistics and bio-calculus.

Intern Biologist (Internship)

Ultrasystems Environmental Inc.

Irvine, CA| Summer 2014 & 2015

Responsibilities included: organization, editing, and creation of databases for project descriptions, acted as a receptionist, assisted with the creation and delivery of proposals, assisted archaeologists, biologists, GIS analysists, and engineers to complete tasks, involved in staff meetings, ordered, restocked, and organized office supplies, and managed employee time sheets.

**Skills and Abilities**

Software experience:

ArcMap 10.2 (3 years), ArcScene, ArcOnline, QGIS, ENVI, Google Earth

Microsoft Office Suite (Word, PowerPoint, Excel), Adobe Acrobat, Adobe Dreamweaver, Adobe Illustrator, Adobe Photoshop, GIMP

Mission Planner, Wingware IDE

Trimble, TeraSync, GSP Pathfinder Office

Programming experience:

Python (1 year)

HTML5, JavaScript, CSS (1 year)

Qualities and Abilities:

Listening, oral and written communication, public speaking

Works well in a team and alone

Very organized, strong attention to detail, great time management skills

Large event planning and coordination

**Research Experience**

Mapping Bark Beetle Infestation in the Rocky Mountain National Park from 2014-2016

Academic Paper, 2016

Intermediate Remote Sensing Course Final Project

Vegetation Mapping of the Ma-le’l Dunes

Academic Paper, 2016

Land Cover Change in Coachella Valley, California over the Last 20 Years Using Remote Sensing Software

Academic Paper, 2015

Introduction to Remote Sensing Course Final Project

Preparation of High Spatial and Temporal Resolution Data from UAS Sources for GIS Applications

Academic Paper, 2015

Poster Presentation

Intermediate GIS Course Project

Marbled Murrelets Habitat Study of Humboldt County

Academic Paper, 2014

Introduction to GIS Course Final Project

**Scholarships and Awards**

Presidential Scholar

Fall 2013, Spring 2015, Fall 2015, Spring 2016, Fall 2017

CSU Future Scholarship 2014

High School Scholarships

Academic Honors Award, 2013

Leadership Award, 2013

**Extracurricular**

HSU Geospatial Club

Membership held Spring 2015-present

Vice President

Secretary

HSU Cartography Club

Membership held Fall 2016-present

HSU Geographic Society

Membership held Fall 2016-present

HSU Conservation Unlimited

Membership held Fall 2015-present

National Honors Society

Treasurer

Membership held from 2011-2013

International Thespian Society

Treasurer, Clerk

Membership held from 2010-2013

Envirothon (Environmental Debate/Competition)

Co-Captain

Membership held from 2009-2011

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| **Pertinent Coursework**  Geospatial Science Courses:   * Advanced GIS\* * Intermediate GIS\* * Intro GIS\* * Geospatial Programming I * Intermediate Remote Sensing \* * Intro Remote Sensing\* * Mobile Mapping\* * Advanced Cartographic Design (IP) \* * Cartography\* * Cartography Practicum \* | Environmental Science Related Courses:   * Environmental Impact Assessment (IP) * Senior Capstone (IP) * Grant Proposal Writing \* * Intro To Environmental Policy * Natural Resource Conservation * Earth Resources And Global Environmental Change * International Issues & Globalization * Environmental Conflict Resolution * Environmental Problem Solving   Others:   * General Botany * Introductory Biostatistics * Wildland Resource Principles * Introduction To Soil Science * Physical Geography   \* Course Project Available for download |

**References:**

James Graham

Geospatial advisor and professor

Department of Environmental Science & Management, HSU

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Brian Heaton

Senior Planner, City of Eureka

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Riley T.

GIS Analyst, City of Eureka

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