

Whitney K. Newcomb

1200 Alpine Dr. #11, Walnut Creek, CA 94956

(760) 819-2680

WhitneyKNewcomb@gmail.com

Education:

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

May 2017

Humboldt State University (HSU), Arcata CA

GPA: 3.89

Pertinent Coursework:

Advanced GIS

Advanced Cartographic Design

General Botany

Geospatial Programming

Environmental Impact Assessment

Intro to Soil Sciences

Intermediate Remote Sensing

Intro to Environmental Policy

Physical Geography

Mobile Mapping

Wildland Resource Principles

Earth Resources and Global

Environmental Change

Work Experience:

GIS Intern

August 2017 – present

City of Walnut Creek GIS Department

Walnut Creek, CA

Updated and maintained the city's Master Address Database by processing new address paperwork, by identifying and resolving addresses with errors. Created an informational poster sized map for the City Manager. Created a web application for the city's public art through esri's Web App Builder Interface. Gained project management skills by using Six Sigma practices in team work oriented projects.

GIS Assistant (Internship)

December 2016 – May 2017

City of Eureka Planning Department

Eureka, CA

Provided GIS technical support for determining Eureka's potential infill of vacant residential and commercial lots within the city. Used Sketch Up to create potential site plans for vacant lots. Analyzed land and improvement values with housing price trends to find underutilized parcels for the city's updated General Plan. Met weekly with City Planner to assess work and determine goals.

Geospatial Tutor (Instructional Student Assistant)

August 2016 – May 2017

HSU's Natural Resources Department

Arcata, CA

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)

Summer 2016

HSU's River Institute

Arcata, CA

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

Bio-Statistics and Bio-Calculus Grader (Instructional Student Assistant)

January 2015 – May 2017

HSU's Mathematics Department

Arcata, CA

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)

Summer 2014 & 2015

Ultrasystems Environmental Inc.

Irvine, CA

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

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GIS Research Experience:

- “Sea Level Rise and Inundation Mapping Analysis of Highway 101 around Humboldt Bay” Academic Paper for Environmental Science Capstone Course, 2017.
- “Mapping Bark Beetle Infestation in the Rocky Mountain National Park from 2014-2016”, Academic Paper for Intermediate Remote Sensing Course Final Project, 2016.
- “Vegetation Mapping of the Ma-le’l Dunes”, Academic Paper for Mobile Mapping Final Project, 2016.
- “Land Cover Change in Coachella Valley, California over the Last 20 Years” Academic Paper for Introduction to Remote Sensing Course Final Project, 2015.
- “Preparation of High Spatial and Temporal Resolution Data from UAS Sources for GIS Applications” Academic Paper and Poster Presentation for Intermediate GIS Course Project, 2015.
- “Marbled Murrelets Habitat Study of Humboldt County” Academic Paper for Introduction to GIS Course Final Project, 2014.

Skills and Abilities:

Software Experience:

ArcMap 10.2, 10.4, 10.5 (3 years), ArcGIS Online, Web AppBuilder Arc Collector, ArcScene, QGIS, ENVI
Microsoft Office Suite (Word, PowerPoint, Excel, Outlook), Adobe Acrobat, Dreamweaver, Illustrator, Photoshop
Google Products (Google Earth Pro, Sketch Up Pro, Docs, Sheets, Slides, Drive)
Trimble TeraSync, GSP Pathfinder Office, Garmin Express, Mission Planner

Hardware Experience:

GPS Devices: Trimble, Garmin
Total Station, Auto Level, Hand Level
PC/MAC

Programming experience:

Python (1.5 year)
HTML5, JavaScript, CSS (1.5 year)
Leaflet (1 year)
R (6 months)
SQL (familiar)

Other:

- Cartographic design for print and web*
- QA/QC procedures
- UAV (or drone) data collection
- Large event planning
- Valid California Driver's License

Qualities:

- Strong team player
- Independent worker
- Verbal and written communication
- Excellent organization skills
- Critical thinking/problem solving
- Strong time management
- Adaptive
- Troubleshooting ability
- High initiative/ self-motivated
- Strong attention to detail
- Multitasking

Extracurricular:

HSU Geospatial Club	2014 – 2017
Offices held: Vice President and Secretary	
Took minutes at all club meetings	
Planned and implemented GIS Day 2015 & 2016	
Tutored drop in homework help sessions	
Planned trail mapping and Geocaching events	

HSU Geographic Society	2016 – 2017
HSU Cartography Club	2016 – 2017
Conservation Unlimited	2015 – 2017

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Awards and Honors:

Outstanding Student Award for Geospatial Analysis Option
Champion of the Environment
Presidential Scholar

May 2017

May 2017

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

CSU Future Scholarship

April 2014

Academic Honors Award and Leadership Award

June 2013

Certificates:

Certificate of Completion for Beginner's Guide to
PostgreSQL online UDEMY course

September 14th, 2017

White Belt Six Sigma Training Completion Certificate

September 21st, 2017

References:

James Graham, PhD
Environmental Science and Mgmt Dep't
Humboldt State University
Arcata, CA 95521
(707) 826-3823
James.graham@humboldt.edu

Betsy Lindsay
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Brian Heaton
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City of Eureka Planning Division
Eureka, CA 95501
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* For examples of my cartography please visit my portfolio website at
<https://wnewcomb.github.io/MyPortfolio/index.html>