

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, and by identifying and resolving approximately 5000 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- Developer's Interface. Gained project management skills by using Six Sigma practices in team work oriented projects. Developed Enterprise GIS database skills and knowledge using the Local Government Information database model. Identified potential "Soft-Story" buildings and created a risk index for said buildings. Automated the city's acclimation of parcel data from the county and other processes involving parcel data.

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.

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

Other:

Cartographic design for print and web*
QAQC 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	HSU Geographic Society	2016 – 2017
Offices held: Vice President and Secretary		HSU Cartography Club	2016 – 2017
Took minutes at all club meetings		Conservation Unlimited	2015 – 2017
Planned and implemented GIS Day 2015 & 2016			
Tutored drop in homework help sessions			
Planned trail mapping and Geocaching events			

Awards and Honors:

Outstanding Student Award for Geospatial Analysis Option

May 2017

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Champion of the Environment
Presidential Scholar

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

CSU Future Scholarship
Academic Honors Award and Leadership Award

April 2014

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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Ultrasystems Environmental Inc.
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Brian Heaton
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City of Eureka Planning Division
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Phil Beilin
GIS Coordinator
City of Walnut Creek, CA
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* For examples of my cartography please visit my portfolio website at
<https://wnewcomb.github.io/MyPortfolio/index.html>