

Whitney K. Anderson

4990 Owens Dr. Apt 421, Pleasanton, CA 94588 (760) 819-2680 WhitneyKNewcomb@gmail.com

Work Experience:

Sr. GIS Cartographer & IT Assistant

Lettis Consultants International, Inc.

Provided GIS and IT support to geologists, seismologists, and engineers for a variety of geotechnical and seismic hazard projects, pertaining to critical hydrology infrastructure, nuclear infrastructure, seismic hazard analysis and landslide studies. Duties included capturing and processing UAV imagery, creating maps for field work, digitizing and synthesizing field data and historical and modern engineering drawings into finished cartographic products as both 2D and 3D visualizations, performing a variety of raster and vector spatial analysis, and managing data for multiple projects simultaneously.

May 2018 - present

Concord, CA

GIS Technician

City of Concord GIS Department

Updated the city's address database within the Local Government Information Model SDE geodatabase in preparation for the LUCA Project for the 2020 Census.

April 2018 – May 2018

Concord, CA

GIS Intern

City of Walnut Creek GIS Department

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. Automated the city's acclimation of parcel data from the county and other processes involving parcel data using Python programming.

August 2017 – March 2018

Walnut Creek, CA

GIS Assistant (Internship)

City of Eureka Planning Department

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.

December 2016 – May 2017

Eureka, CA

Geospatial Tutor (Instructional Student Assistant)

HSU's Natural Resources Department

Supported 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.

August 2016 – May 2017

Arcata, CA

GIS Data Manager (Internship)

HSU's River Institute

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

Summer 2016

Arcata, CA

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

HSU's Mathematics Department

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.

January 2015 – May 2017

Arcata, CA

Intern Biologist (Internship)

Ultrasystems Environmental Inc.

Assisted with the creation and delivery of proposals, assisted archaeologists, biologists, GIS analysts, and engineers to complete tasks. Gained elementary knowledge of CEQA and NEPA compliance. 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.

Summers of 2014 & 2015

Irvine, CA

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Education:

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

Humboldt State University (HSU), Arcata CA

May 2017
Summa Cum Laude

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 & Global Envm't Change

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 10.2-10.8, ArcPro (5 years), Agisoft MetaShape (3 years) ArcGIS Online, Web AppBuilder Dev., Arc Collector, ArcScene, QGIS, & ENVI

Microsoft Office Suite: Word, PowerPoint, Excel, Access, & Outlook

Adobe Acrobat, Dreamweaver, Illustrator, Photoshop, & Premiere Pro

Google Products: Google Earth Pro (KML/KMZ), Sketch Up Pro, Docs, Sheets, Slides, Drive

Trimble TeraSync, GSP Pathfinder Office, Garmin Express, Mission Planner, DJI Go,

Hardware Experience:

GPS Devices: Trimble, Garmin
Total Station, Auto Level, Hand Level
PC/MAC
DJI Phantom 4 Pro (V1 & V2)

Programming experience:

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

Other:

FAA Remote Pilot Certificate (Part 107) (2.5 years)
UAV/S data collection and processing
Cartographic design for print and web
QAQC procedures
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

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Awards and Honors:

Outstanding Student Award for Geospatial Analysis Option	May 2017
Champion of the Environment	May 2017
Presidential Scholar	Fall 2013, Spring/Fall 2015, Spring 2016, Fall/Spring 2017
CSU Future Scholarship	April 2014
Academic Honors Award and Leadership Award	June 2013

Memberships:

Bay Geo	2018 - present	HSU Cartography Club	2016 – 2017
SCGIS (Volunteer)	2018 - present	HSU Geography Society	2016 – 2017
HSU Geospatial Club	2014 - 2017	Conservation Unlimited	2015 – 2017

Certificates:

Certificate of Completion for Spatial SQL for Postgres (UDemy)	April 17 th , 2018
Certificate of Completion for Learn Database Design using PostgreSQL (UDemy)	January 8 th , 2018
Certificate of Completion for Beginner's Guide to PostgreSQL (UDemy)	September 14 th , 2017
White Belt Six Sigma Training Completion Certificate	September 21 st , 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
President/CEO
Ultrasystems Environmental Inc.
Irvine, CA 92618
(949) 274-3935
Blindsay@ultrasystems.com

Phil Beilin
GIS Coordinator
City of Walnut Creek
Walnut Creek, CA 94596
(925) 256-3544
pbeilin@walnut-creek.org

For examples of my **cartography** and to view my **CV** please visit my **portfolio website** at
<https://wnewcomb.github.io/MyPortfolio/>