**Education:**

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| **B.S. Environmental Science** with a concentration in **Geospatial Analysis** | | | | May 2017 |
| *Humboldt State University (HSU), Arcata CA* | | | | 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 Envnm’t Change | | |

**Work Experience:**

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| **GIS Technician** | April 2018 - present |
| City of Concord GIS Department | Concord, CA |
| Updated the city’s address database within the Local Government Information Model SDE geodatabase in preparation for the LUCA Project for the 2020 Census. |  |
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| **GIS Intern** | August 2017 – March 2018 |
| 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 using Python programming. | |
|  | |
| **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. | |
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| **Geospatial Tutor (Instructional Student Assistant)** | August 2016 – May 2017 |
| HSU’s Natural Resources Department | Arcata, CA |
| 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. | |

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| **Intern Biologist (Internship)** | Summer 2014 & 2015 |
| Ultrasystems Environmental Inc. | Irvine, CA |
| Assisted with the creation and delivery of proposals, assisted archaeologists, biologists, GIS analysists, 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. | |

**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, Pro (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

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| **Hardware Experience:**  GPS Devices: Trimble, Garmin  Total Station, Auto Level, Hand Level  PC/MAC | **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 |
| **Programming experience:**  Python (2 year)  HTML5, JavaScript, CSS (1.5 year)  Leaflet (1 year)  R (6 months)  PostGRE SQL (familiar) |
| **Other:**  Cartographic design for print and web  QAQC procedures  UAV/S data collection and processing  Large event planning  Valid California Driver’s License |

**Awards and Honors:**

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| --- | --- |
| 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:**

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

**Certificates:**

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| Certificate of Completion for Spatial SQL for Postgres (UDemy) | April 17th, 2018 |
| Certificate of Completion for Learn Database Design using PostgreSQL (UDemy) | January 8th, 2018 |
| Certificate of Completion for Beginner’s Guide to PostgreSQL (UDemy) | September 14th, 2017 |
| White Belt Six Sigma Training Completion Certificate | September 21st, 2017 |

**References:**

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| --- | --- | --- |
| **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/**](https://wnewcomb.github.io/MyPortfolio/)