

HANNAH HANSEN, EIT

Landscape Designer / Engineering Specialist, Restoration Design Group

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EDUCATION

Master of Landscape Architecture and Environmental Planning (MLA-EP)

- University of California Berkeley May 2023
- Relevant Coursework: LDARCH C188 Geographic Information Systems (Fall 2021, John Radke), LDARCH 221 Quantitative Methods in Environmental Planning (Spring 2022, John Radke), LDARCH 289 Applied Remote Sensing (Spring 2022, Iryna Dronova), LDARCH 222 Hydrology for Planners (Spring 2022, Matt Kondolf), EPS 117 Geomorphology (Fall 2022, Orkan Umurhan), LDARCH 227 Restoration of Rivers and Streams (Fall 2022, Matt Kondolf), LDARCH C171 History of the American-Designed Landscape Since 1850 (Fall 2022, Louise Mozingo)
- Awards: UC Berkeley College of Environmental Design LAEP Departmental Fellowship (2021), Excellence in Landscape Design Award (2021-2022), Landscape Architecture Foundation 2nd Runner Up for Scholarship in Memory of Joe Lalli, FASLA (2023)

Bachelor of Science (BSE) Civil Engineering (Sustainable Engineering)

- Barrett, the Honors College, Arizona State University May 2017 Magna Cum Laude
- Awards: New American University Scholar - President's Award (2013-2017), Homa & Irene Wood Foundation Scholar (2013-2017), Dean's List (Fall 2013, Fall 2014-Spring 2015, Spring 2016-Spring 2017)

EXPERIENCE

- Landscape Designer / Engineering Specialist Restoration Design Group May 2023 —present
 - Adept at using AutoCAD Civil 3D for drafting construction documents and details, Adobe Creative Suite for concept design, rendering, and graphics communication, and GPS and GIS for map-making. Experienced in site assessment (including geomorphic and vegetation surveying), technical report writing, construction contract administration, and post-construction monitoring.
- Graduate Student Researcher UC Berkeley Spring 2023
 - Course: LDARCH 205 Environmental Planning Studio – Professors Matt Kondolf, Anna Serra-Llobet, Randy Hester, Marcia McNally, Matt Smeltzer & John Radke
- Restoration Intern Restoration Design Group Summer 2022
 - Supported RDG's efforts to bring projects from conceptual design to construction documentation, construction, and post-project monitoring through production of graphic materials, GIS maps, outdoor fieldwork, and site assessments in and along creeks.
- Graduate Student Instructor UC Berkeley Fall 2022
 - Course: LDARCH 200A Fundamentals of Landscape Design – Professors Richard Hindle & Tomas McKay
- Graduate Student Instructor UC Berkeley Spring 2022
 - Course: ESPM 155AC Sociology & Political Ecology of Agro-Food Systems – Professor Kathryn De Master

EXPERIENCE (continued)

- Senior Project Engineer DPR Construction August 2017 – July 2021
 - Responsible for preparing work scope packages and change orders, reviewing vendor shop drawings, product data, samples, and organizing change order, submittal, and request for information (RFI) logs. Led weekly client and design team meetings and performed daily site walks and safety reporting.

CERTIFICATIONS

- Engineer in Training (EIT) – August 2018
 - National Council of Examiners for Engineering and Surveying (NCEES)
 - NCEES ID: 17-944-24 (verifiable link: <https://account.ncees.org/rn/1794424-1082487-adcf71>)
- Graduate Certificate in Geographic Information Science and Technology (GIST) – August 2024
 - UC Berkeley College of Environmental Design

SKILLS

- Proficient in ESRI ArcGIS, Google Earth Engine, Adobe Creative Cloud (Photoshop, Illustrator, InDesign, Lightroom), Rhino, AutoCAD Civil 3D, SketchUp, and Microsoft Office
- Experienced in geomorphological monitoring and land surveying
- Intermediate Spanish-speaking proficiency, upper-intermediate Spanish-reading proficiency
- Cultivates empathy, open-mindedness, and adaptability in the workplace; actively seeks feedback and values positive working relationships with colleagues

PUBLICATIONS

- Arora, Aashay. *Microstructural packing- and rheology-based binder selection and characterization for Ultra-high Performance Concrete (UHPC)*. Cement and Concrete Research (2017).
- Dakhane, Akash, & Das, Sumanta. *Crack Healing in Cementitious Mortars Using Enzyme-Induced Carbonate Precipitation: Quantification Based on Fracture Response*. Journal of Materials in Civil Engineering, Volume 30, Issue 4 (April 2018).

ORGANIZATIONS

- UC Berkeley RiverLab research group led by Professor Matt Kondolf August 2021 – present
 - Coordinator for 27th Annual Geologic and Ecological Fundamentals of River Restoration Shortcourse held at Sagehen Creek Field Station. Travel team member in *Reconnecting with Big Rivers* collaboration between UC Berkeley and Jackson State University investigating public access to major rivers, specifically the Sacramento and the Mississippi.
- Engineers Without Borders, Arizona State University Chapter August 2016 – May 2017
 - Travel team member for the Pune, India, team. Assisted in collecting data, surveying, and designing pipeline system during assessment trip to the Varoti Khurd community in December 2016.
- Fulton Undergraduate Research Initiative (FURI) August 2016 – May 2017
 - Conducted research focused on utilizing the plant-derived urease enzyme to slow crack propagation in cementitious mortars under the guide of Professor Narayanan Neithalath. Assisted with the optimization of concrete material that is made more sustainable through the replacement of portland cement with alkali-activated binders to decrease carbon dioxide emissions without compromising strength.

ORGANIZATIONS *(continued)*

- The GREEN Program – Sustainability and Renewable Energy in Iceland Summer 2015
 - Visited Iceland and studied the country's culture, geology, and renewable energy at the University of Reykjavik. Completed a group project concerning the ideal net-zero energy, net-zero water community, optimized the location, and analyzed total costs and potential sources of funding.

VOLUNTEERING

- California Native Garden Foundation Garden Volunteer September 2017 – September 2018
 - Assisting with miscellaneous activities at the Middlebrook Center and Hester School Garden, including weeding, trimming, watering, and shoveling and applying mulch. The California Native Garden Foundation implements gardens in urban areas complete with native plants and seasonal fruits and vegetables with the goal of educating local communities and providing them with a healthy, reliable, and sustainable food supply.
- All Hands Volunteers Disaster Relief Volunteer September 2017
 - Joined a team in Houston to aid in Hurricane Harvey relief efforts over a weekend in November. Activities included soft demo and removal of drywall, insulation, flooring, nails, and other housing materials damaged by flooding in a small community complex.
- Habitat for Humanity Global Village Volunteer May 2017
 - Assisted in the completion of building a home for native Hawaiians in Maui. Tasks included painting, drywall, sanding, and building a deck.

REFERENCES

- Erik Stromberg, Restoration Director at Restoration Design Group: erik@rdgmai.com
- G. Mathias "Matt" Kondolf, Professor at UC Berkeley: kondolf@berkeley.edu