Clarissa Boyajian

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SUMMARY OF QUALIFICATIONS

- Certified arborists and trained environmental data scientist with 8+ years of urban forestry experience.
- Designed and created interactive R Shiny App to visualize trends in equitable access to outdoor recreation.
- Experience using R, Python, and command line programming languages for projects to analyze satellite and spatial data to calculate vegetation cover and create custom map layers for tree inventory systems.
- Cultivated strong collaborative relationship with community members, business owners, and municipal staff.
- Background in community organizing with a bachelor's degree in urban and environmental policy.

EDUCATION

Master of Environmental Data Science (June 2022)
Bren School of Environmental Science & Management – University of California, Santa Barbara (UCSB)
Highlighted Coursework: Environmental Policy Evaluation; Data Visualization and Communication; Spatial Analysis; Remote Sensing; Statistics; Machine Learning; Analytical Workflows and Scientific Reproducibility

Bachelor of Arts in Urban & Environmental Policy (May 2013)
Occidental College, Los Angeles, CA
Honors: Honors with distinction, Cum laude

DATA SCIENCE & ANALYSIS EXPERIENCE

Environmental Specialist II – **City of Los Angeles, Public Works Office of Forest Management** (8/23–present)
- Develop the City's first Urban Forest Management Plan
- Provide technical expertise related to urban forestry and data science for the Office of Forest Management (OFM) to
- Supported urban forestry research efforts within the Los Angeles region

Urban Forestry Data Scientist – **Dudek** | Pasadena, CA (3/22–8/23)
- Developed reproducible systems for analyzing inventory sustainability metrics, canopy cover analysis and equity, and other urban forestry data as part of Urban Forestry Management Plans for city and county clients.
- Created comprehensive, clear, and engaging data visualizations including graphs, charts, and maps.
- Reviewed standard details and other technical urban forestry plans and documents.
- Authored sections of Urban Forestry Management Plans relating to topics such as municipal tree management practices, canopy cover equity, and climate resilience.

Master's Capstone Project – **Ensuring equitable access to outdoor recreation: Evaluating spatiotemporal patterns and trends in campground use on federal public lands** | Communications Manager; Data Analyst (1/22–6/22)
Clients: Kaitlyn Gaynor (National Center for Ecological Analysis & Synthesis); Will Rice (University of Montana)
- Analyze spatial and temporal trends of different socioeconomic groups of recreational visitors to reservable overnight sites on U.S. federal public lands using statistical, reproducible methods with R programming.
- Design and create a visual interactive web app, metadata documentation, and analytical report for use by public land managers to aid in increasing equitable access to federal public lands.

URBAN FORESTRY & PROGRAM MANAGEMENT EXPERIENCE

Environmental Services Manager – **Koreatown Youth & Community Center** | Los Angeles, CA (7/19–6/21)
- Managed $2 million annual budget of 20+ contracts and grants for Environmental Services department.
- Overhauled internal system to track and report multi-year grants and contracts, allowing for more accurate decision making and more transparency between department coordinators and COO.
- Directed department's long-range vision, goals, and day-to-day strategies for team of 26, including graffiti removal, clean streets, landscaping, tree planting and care, and community engagement teams.
- Authored successful grant and contract proposals totaling over $4 million in state and city funds to provide resources to underserved communities in South and Central Los Angeles.
- Cultivated excellent working relationships with nonprofit partners, funders, and city and state agencies.

URBAN FORESTRY & PROGRAM MANAGEMENT EXPERIENCE (Continued)

Urban Forestry Coordinator – Koreatown Youth & Community Center | Los Angeles, CA (9/17–7/19)

- Created and oversaw map-based tree database system, resulting in higher quality responses to constituent concerns and questions, reports to funders, and project management.
- Supported grant applications through developing new projects, calculating greenhouse gas sequestration estimates using iTree, selecting tree species, and identifying potential planting locations.
- Built excellent working relationships with urban forestry nonprofit partners and city departments, increasing organization's reputation for high quality work and technical knowledge.
- Managed all aspects of tree planting and care projects, including tracking, permitting, invoicing, and upholding high level of customer service for residents of Los Angeles.
- Supervised and managed a 5-person tree planting and care field-based team.
- Ensured team received monthly trainings in arboricultural best practices to safely and efficiently plant approximately 1,100 trees and care for 1,500 trees annually.

Urban Forestry Manager – TreePeople | Los Angeles, CA (10/15–9/17)

- Revived and managed Citizen Forester volunteer training program, successfully implementing new programming and outreach to empower, train, and support 60+ volunteer leaders.
- Organized and taught monthly Citizen Forester workshops, including developing and updating curriculum, increasing attendance, and delivering engaging and motivating in-person trainings.
- Mentored 15+ Citizen Forester groups to gather community support, select tree species, obtain planting permits, fundraise, organize planting day logistics, and plan tree care maintenance schedule.
- Maintained and built strong working relationships with partner organizations and government agencies.
- Managed partnership with City of Los Angeles's nonprofit planting collaborative; grew partnership from an informal to official partnership bringing in over $10,000 and planting over 400 trees.
- Assisted with grant applications including calculating greenhouse gas sequestration and reduction, selecting tree species, and canvassing for planting locations.

ADDITIONAL EXPERIENCE

Good Eggs, Los Angeles, CA
    Produce Inventory & Ordering Specialist (1/15–8/15) | **Operations Team Member** (3/14–1/15)

Farm Assistant – Cornerstone Farm & Diary | Vashon Island, WA (6/13–3/14)

Baker – Café Luna | Vashon Island, WA (5/13–3/14)

SKILLS & CERTIFICATIONS

Programming Languages: R (Rmarkdown, Tidyverse, ShinyR, etc.); Python; Bash; SQL; Markdown

Software: RStudio; Git (GitHub): Jupyter Lab and Notebooks; Tableau; Google Earth Engine; SalesForce; Plan-it Geo's TreePlotter; Davey Resource Group's TreeKeeper; iTree; Microsoft Office Suites; Google Suite; Slack; Zotero

Certifications: Certified Arborist, WE-12099A – International Society of Arboriculture, Western Chapter (1/18)