

# Clarissa Boyajian

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## SUMMARY OF QUALIFICATIONS

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- Certified arborists with 5+ years of urban forestry nonprofit management experience and a master's degree in environmental data science.
- Experience using R, Python, and command line programming languages for projects to analyze satellite and spatial data to calculate tree canopy cover and create custom map layers for tree inventory systems.
- Supervised diverse teams to implement successful multi-million dollar projects and programs.
- 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

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### **Master of Environmental Data Science (1/22–6/22)**

**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 for Environmental Data Science; Machine Learning; Metadata Standards and Data Semantics; Analytical Workflows and Scientific Reproducibility (completed by June 2022)

Honors/Awards: Environmental Data Science Scholarship

### **Bachelor of Arts in Urban & Environmental Policy (May 2013)**

**Occidental College**, Los Angeles, CA

Honors: Honors with distinction, Cum laude

Minor: Spanish

## DATA SCIENCE & ANALYSIS EXPERIENCE

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### **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.

### **Data Intern – National Center for Ecological Analysis & Synthesis** | Santa Barbara, CA (1/22–present)

- Programmed in R to support researchers to edit, finalize, and upload data and metadata to the Arctic Data Center repository, the National Science Foundation's Office of Polar Programs official data repository.

### **Contractor – City Plants** | Los Angeles, CA (08/21–1/22)

- Created a customized grant and partner area map for use in tree database system using spatial analysis in R.

## URBAN FORESTRY & PROGRAM MANAGEMENT EXPERIENCE

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### **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)

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### 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

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### Good Eggs, Los Angeles, CA

Produce Inventory & Ordering Specialist (1/15–8/15) | Operations Team Member (3/14–1/15)

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

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

### Occidental College's Green Bean Coffee Lounge, Los Angeles, CA

Purchasing & Inventory Manager (8/11–5/13) | Shift Supervisor (1/10–5/11) | Barista (10/09–12/09)

## SKILLS & CERTIFICATIONS

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**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)

### Presentations:

- Arbor Day Foundation's Partners in Community Forestry Conference, Technology Lightning Round (11/20)
- Los Angeles's Developing an Urban Forestry Management Plan First Steps, Koreatown Youth and Community Center's Tree Inventory and Database (11/18)

### Publications:

- City Plants. 2020. Tree Ambassador Action Toolkit. Educational curriculum. Los Angeles, CA. Available at: <https://www.cityplants.org/tree-ambassador/>
- Boyajian, Clarissa. 2013. B.A. Thesis. Opportunities & Barriers for Access to "Good" Food with a Focus on Participation by Low-income Communities. Occidental College. Available at: <https://www.oxy.edu/academics/areas-study/urban-environmental-policy/our-students/past-comps>