

Drew Seavey, PLA, ASLA, SITES AP

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SUMMARY

I am a data scientist and SITES AP accredited landscape architect building bridges between the design world and emerging technology. With over a decade in the architecture, engineering, and construction (AEC) industry, I bring experience in design, site analysis, urban planning, and project delivery. Drawn to the transformative potential of data science, I completed a bootcamp in 2023, gaining hands-on skills in Python, SQL, machine learning, and data visualization. I am continuing to expand my computational design toolkit through a certification in C#.

With this hybrid background, I integrate geospatial intelligence, predictive analytics, and BIM workflows to generate insights on resilience, efficiency and ecology. I contribute to collaborative, technology-driven approaches that advance design innovation and strengthen the connection between natural systems and the built environment.

SKILLS

Computational + Data Science

- Languages: Python, SQL, C# (in progress), DesignScript (Dynamo), introductory HTML, CSS, JavaScript
- Generative Design: Revit API, Dynamo, Python
- Data Science Tools: Jupyter Notebook, Anaconda, Tableau + TabPy scripting
- Machine Learning: regression, classification, natural language processing, computer vision, exploring genetic algorithms for architectural design and space planning

Design + Planning

- AEC Tools: Revit, AutoCAD, Land F/X, Civil 3D, ReCap, TestFit, SketchUp, Rhino, EPANET, SWMM
- Geospatial: QGIS, ESRI, GeoPandas, Rasterio
- Visualization: Adobe Suite, Blender, Lumion

Leadership + Collaboration

- Client Relations, Proposal Creation
- Product Management, Solution Architecture
- Public Speaking, Knowledge Sharing

Natural Languages

- Proficient: English, Spanish
- Conversational: Mandarin Chinese (reading/writing, simplified and traditional)
- Intermediate: Japanese and French
- Currently studying: Norwegian, German and K'ichee' Maya

PROFESSIONAL REGISTRATIONS

- Registered Landscape Architect, NM #572
- SITES Accredited Professional, #4082

EDUCATION

- CNM Ingenuity
 - Deep Dive Part Time Data Science Bootcamp
 - March 2023 – September 2023
- University of New Mexico
 - Master of Landscape Architecture
 - January 2009 – May 2012
- University of Puget Sound
 - B.A. Asian Studies
 - Dual Minor in Mandarin Chinese and Japanese
 - August 2004 – May 2007

EXPERIENCE

- Booz Allen Hamilton, Albuquerque, NM, December 2023 – Present
 - **AEC Data Scientist**
 - Develop generative design studies in Revit, Dynamo and Python to evaluate spatial and performance trade-offs.
 - Design and deploy Tableau dashboards with TabPy scripting to connect advanced analytics to decision-makers.
 - Deliver geospatial analysis and mapping support across diverse project scales and disciplines.
 - Automate AEC workflows to reduce manual effort, improve reproducibility, and accelerate project delivery.
 - Lead applied research on emerging technologies, translating concepts into practical applications for design teams.
- Dekker/Perich/Sabatini, Albuquerque, NM, July 2016 – November 2023
 - **Landscape Architect and Sustainable Sites Specialist**
 - Founded the “Site Exploration Team” to accelerate site analysis, base map creation and entitlement reviews for new and prospective projects.
 - Researched and piloted emerging technologies and tools for design workflows.
 - Mentored junior staff and delivered training on technologies and processes.
 - Promoted sustainable placemaking through the GBCI SITES framework.
- Village of Los Ranchos, Los Ranchos, NM, April 2018 – February 2023
 - **Planning and Zoning Commissioner**
 - Applied knowledge of local ordinances and the 2030 Master Plan to guide planning decisions.
 - Facilitated community engagement sessions on agriculture, housing, and long-range planning.
 - Served as Chair of the Planning and Zoning Commission for final two years of service.
- Dixie Watkins & Associates, San Antonio, TX, May 2013 – May 2016
 - **Landscape Designer and Assistant Planner**
 - Used AutoCAD and GIS to help with a wide variety of landscape architecture and planning projects.
 - Surveyed existing plant species at the historic Alamo for a historic preservation project.
- Plants of the Southwest, Los Ranchos, NM, May 2010 – October 2012
 - **Nursery Staff and Native Plants Consultant**
 - Specialized in client education on appropriate native species for local conditions.
- Kaleidoscope Landscaping, Seattle, WA, September 2007 – October 2008
 - **Crew Leader**

- Specialized in tree care and residential landscaping.
- Centro Latino, Tacoma, WA, September 2004 – December 2005
 - **English as a Second Language (ESL) Teaching Assistant**
 - Provided a safe space for students to practice English in various scenarios.
- Amigos de las Americas, Santa Rosalia, Paraguay, Summer 2003
 - **Volunteer Health Worker**
 - Helped survey the community to implement a latrine building project.
 - Learned the basics of the Guaraní language.