Courtland Langley

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SUMMARY

GIS Analyst with experience building asset management systems, evaluating infrastructure condition data, and automating spatial workflows to support capital planning and operational decision-making. Pursuing an MBA in Real Estate and the Built Environment at the University of Denver, with a long-term focus on real property strategy, land use, and asset management. Experienced collaborating across departments, translating technical analysis into clear outputs for leadership, and building processes from the ground up.

EDUCATION

University of Denver, Daniels College of Business — **Denver, CO**
Master of Business Administration, Real Estate & the Built Environment — *Expected Dec 2027*

University of Colorado Boulder — **Boulder, CO**
Bachelor of Arts, Geography (GIS Emphasis), Business Minor — *Aug 2018 – Dec 2023*
Relevant Coursework: GIS Spatial Analytics, Remote Sensing, Machine Learning and Spatial Data, Project Management

WORK EXPERIENCE

City of Lone Tree — **Lone Tree, CO**
GIS Analyst | Python, SQL, ArcGIS, AGOL, CAD — *Apr 2024 – Present*

- Evaluate citywide infrastructure asset data to support capital planning and maintenance prioritization across a diverse portfolio of asset types, assessing condition, performance, and cost.
- Produce dashboards, reports, and technical documentation used by city leadership and external stakeholders to communicate asset status, project outcomes, and operational performance.
- Coordinate multi-department project timelines with competing priorities, ensuring on-time delivery of work products.
- Administer and maintain enterprise GIS data in ArcGIS Pro and SDE, ensuring accuracy, consistency, and accessibility across departments.
- Build and manage ArcGIS Online content including web maps, Survey123 forms, and Experience Builder applications to support citywide operations and public-facing communication.
- Automate recurring data and reporting workflows using Python and SQL, improving accuracy and turnaround time for internal and external stakeholders.

Parker Water & Sanitation District — **Parker, CO**
GIS Intern — *May 2023 – Dec 2023*

- Researched and quality-controlled infrastructure asset data from legal documents, CAD drawings, and as-built records, ensuring accuracy across large and complex data sets.
- Produced dashboards and written reports to support asset monitoring and stakeholder communication across the district.
- Collected and verified field asset locations using Trimble GPS equipment, ensuring positional accuracy of utility infrastructure data across the district.

PROJECTS

Asset Management System — **City of Lone Tree** | Ongoing

- Built an end-to-end field asset management workflow integrating ArcGIS Field Maps for mobile data collection, leveraging custom Arcade expressions for data validation and automated work order generation, replacing a manual process and improving accuracy and turnaround time for infrastructure condition reporting.

Capital Projects Map — **City of Lone Tree |** Ongoing

- Built a Python-automated pipeline that monitors the city website for capital project updates and propagates changes directly to live ArcGIS Online layers, powering a public-facing interactive map with same-day accuracy.

LEADERSHIP

City of Lone Tree — **Lone Tree, CO**
Intern Supervisor — *May 2025 – Sep 2025*

- Supervised a GIS intern as sole point of contact through the full project lifecycle, providing structured mentorship, technical guidance, and written process documentation.

Urban Land Institute (ULI Colorado) — **Denver, CO**
Associate Member — *2025 – Present*

- Member of ULI Colorado's Young Leaders Group, engaging with industry professionals across the Denver real estate and land use community through networking events, educational programs, and committee involvement.

Geospatial Professional Network (GPN) — **National**
Young Professional Member | Pursuing GISP Certification — *2024 – Present*

- Member of the national professional organization for GIS practitioners, supporting continued development at the intersection of geospatial technology and real estate planning.

TECHNICAL SKILLS

Platforms & Tools: ArcGIS Pro, ArcGIS Online, ArcGIS Enterprise, QGIS, Google Earth Engine, Excel, MS Office Suite
Professional: Asset Management, Capital Planning Support, Stakeholder Communication, Project Coordination, Process Development, Data Synthesis
Programming & Automation: Python, SQL, Arcade, ModelBuilder, PostgreSQL