

Self-Reflection on My Performance

[7 Oct 2024 – 17 April 2025]

This year has marked a highly transformative phase in my academic and professional journey. As a **Postdoctoral Researcher at Arizona State University (ASU)**, working as a **Geospatial and Data Visualization Scientist**, I have grown significantly in both technical expertise and research perspective.

From the moment I joined ASU, I have been immersed in a dynamic, high-performing environment that has fostered continuous learning and innovation. I've had the opportunity to work alongside a highly motivated and productive team, where each member's dedication has inspired me to push my own boundaries. The support and trust from my professor and colleagues have empowered me to take initiative, explore new ideas, and contribute to meaningful research.

One of my proudest achievements this year has been the progress I've made on independent application development projects, particularly the current project and my upcoming plan to create **AI Analyzer River Morphology tool**. This Runing project represents a convergence of my academic background and technical interests and is part of a broader set of tools I'm currently working on to address environmental and geospatial challenges.

Key Highlights:

- Successfully integrated into a high-performance research team at ASU, contributing to collaborative and independent geospatial research projects.
- Learned and applied advanced tools and methods in spatial analysis, remote sensing, data visualization, and AI-driven modeling.
- Designed and working on original current Geospatial applications, including the AI River Morphology Analyzer, aimed at analyzing river morphology using AI and geospatial data.
- Initiated and progressed multiple app concepts that are currently under design, combining research insights with practical utility.
- Benefited from an inspiring academic and professional environment that encouraged productivity, innovation, and independent thinking.
- Strengthened technical leadership skills through self-directed learning and project management.
- Gained clarity and focus in my trajectory, preparing groundwork for future publications and public tool deployments.

Looking back, I feel proud of the decision to take this step. This year has not only shaped my skills but also reaffirmed my long-term vision to bridge scientific research with technological innovation.