**Christopher J. Charles**

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**Data/GIS Analyst** with over six years of experience specializing in automation and analytics. I focus on delivering data-driven solutions for nonprofit initiatives, with an aim to expand my expertise into new problem-solving methodologies. Highly skilled in the development, implementation, and integration of automated GIS data processes and advanced web mapping solutions. I yield extensive technical skills to improve spatial data management and user experiences. Committed to developing sustainable spatially enabled solutions, particularly in interdisciplinary roles that require adaptability and innovation.

# EDUCATION

**San Diego State University** (SDSU) • San Diego, CA Graduated: May 2022

Bachelor of Science in **Geography –** Emphasis: **GIS & Technology** GPA: 3.6 | **Cum Laude** **Relevant Courses**: Water Resources, Python/GIS, Data Visualization

**San Diego Mesa College** • San Diego, CA Graduated: May 2020

Associate of Arts in **Geography** GPA: 3.7 | **Honors**

**Relevant Courses**: Hydrology, Environment & Development, Urban Politics

# PROFESSIONAL EXPERIENCE

**Bay Park Data Solutions** • San Diego, CA **Aug 2021 - Present · 2 yrs. 4 mos.**

**GIS Analyst/Developer**

* **Product Management**: Manage GIS products end-to-end using ArcGIS API for Python and ArcGIS Hub.
* **Project Leadership**: Lead USC's humanitarian mapping project using Power BI and agile methodologies.
* **Client-Centric Design**: Customize maps for nonprofits; refine through client feedback.
* **Efficiency & Training**: Reduce GIS processing time by 50% using Python; maintain 100% user satisfaction.
* **Data Management**: Automate 40% of manual GIS tasks with Python, elevating project efficiency.
* **Data Analysis**: Manage data projects using Excel, Python, and GIS; turn complex data into actionable insights.
* **Technical Documentation**: Craft user-friendly manuals that cater to a global, non-tech-savvy audience.
* **Methodology Adoption**: Thrive in high-pressure, challenging environments; adapt to evolving project scopes.

**Flicks** • San Diego, CA **Aug 2011 – Present · 11 yrs. 4 mos*.***

**Lead Bartender**

* **Process Optimization**: Engineered optimized inventory workflow through space assessments.
* **Change Management**: Integrated new inventory workflow into routine operations.
* **Team Leadership**: Led high-performing team to meet job volumes and exceptional customer service.
* **Financial Management**: Executed financial demonstrating proficient cash handling.

# TOOLS & EXPERTISE

**Esri ArcGIS Suite**

* **Core GIS Tools**: ArcGIS Pro, ArcMap, ArcGIS Online
* **Data Collection & Analysis**: Survey123, Dashboards, ArcGIS for PowerBI, Notebooks
* **Map Design & Visualization**: Map Viewer, Vector Tile Style Editor
* **Storytelling & Collaboration**: StoryMaps, Living Atlas, Hub, Marketplace
* **Web & App Development**: Experience Builder, Instant Apps

**Microsoft Office Suite**

* **Data Analysis & Automation**: Excel, BI Stack (Power, Automate, Query)
* **Collaboration & Communication**: Teams, SharePoint, Outlook
* **Presentation & Documentation**: PowerPoint, Word

**Technical Languages**

* **Core Programming**: Python, JavaScript
* **Database Management**: SQL, VBA
* **Lightweight & Flexibility**: ArcGIS Arcade, Markdown
* **Web Development**: HTML/CSS, JavaScript

**Key Performance Attributes**

* **Core Values**: Committed to fostering a work environment that values autonomy, detail-orientation, dynamism, efficiency, integrity, intuition, innovation, punctuality, resilience, and resourcefulness.
* **Data Lifecycle**: Skilled in the complete data lifecycle, from exploration and ETL to governance and analytics. with a focus on synthesis, visualization, and data wrangling.
* **GIS Expertise**: Excel in all facets of GIS, from geocoding and geodatabases to geoprocessing and integration, with a commitment to quality control, spatial analysis, and both static and web mapping.
* **Problem-Solving & Leadership**: Excel in analytical reasoning and critical thinking; adept at data interpretation and versioning; committed to accountability, emotional intelligence, collaboration, ideation, troubleshooting, and prioritization.
* **Communication**: Proficient in public speaking, excels in progress monitoring and reporting, workflow documentation and specializes in technical communication.
* **Responsive Design**: Skilled in crafting cartographic elements, focusing on UI/UX principles, and excelling in geospatial visualization.

# RELEVANT TRAINING

**GIS for Climate Action |** Esri Academy MOOC | Dec 2024

**Going Places with Spatial Analysis** | Esri Academy MOOC | Apr 2023

**Spatial Data Science** | Esri Academy MOOC | Nov 2022

**Cartography** | Esri Academy MOOC | Mar 2021

# PROFESSIONAL DEVELOPMENT

**GeoAI & Blockchain Technology**

* Conducting independent research to explore the applications of GeoAI in optimizing water resource management. Aiming to leverage predictive analytics to identify network inefficiencies and to integrate blockchain for secure, real-time resource allocation.
* Actively following industry webinars, online courses, and literature to keep abreast of advancements in GeoAI and blockchain technologies. Focused on their potential for creating AI-powered dashboards that offer real-time insights and predictive analytics for water utility management.
* Aspiring to develop long-term sustainability plans using blockchain and GeoAI, supporting the global agenda for responsible water resource management in the face of climate change and population growth.

# ACHIEVEMENTS

**USC Spiritual Exemplars Project**

* Selected for showcase at **Esri’s 2024 User Conference**.

**Hate Crime Analysis Map**

* Won best map product at SDSU; considered for publication in**Esri’s 2022 Map Book.**