RYAN PREAM

(850) 666-0693 • ryan@ryanpream.com • San Antonio, TX

OBJECTIVE

To leverage seventeen years of GIS experience and twelve years of IT program leadership to manage and advance Solano County's enterprise GIS systems and initiatives.

SUMMARY OF EXPERIENCE

Enterprise GIS Management: Directed county-wide GIS serving 20+ departments and 100+ external subscribers
IT Program Leadership: 12 years supervising technical staff, managing projects, and strategic planning
Systems Development: 17 years designing, developing, and maintaining GIS applications and infrastructure
Public Sector Service: 18 years in municipal and national government IT environments

TECHNICAL SKILLS

GIS Platforms: ArcGIS Pro, ArcGIS Desktop, ArcGIS Server, ArcGIS Online, Portal, ArcSDE
Infrastructure: Windows Server, Active Directory, SAN Storage, LAN/WAN, Cloud (AWS, Azure)
Databases: Microsoft SQL Server, Oracle, PostgreSQL, Geodatabase Design
Development: Python, SQL, JavaScript, C#, ASP.NET, REST APIs, Web Services
Project Management: Agile/Scrum, Strategic Planning, RFP Development, Vendor Management
Field Technology: Trimble GPS, Drone Mapping (FAA Part 107), Mobile Data Collection

PROFESSIONAL EXPERIENCE

GIS Manager

Cayman Islands Government • July 2011 – April 2017

- Managed enterprise GIS program serving 20+ government departments and 100+ commercial subscribers
- Supervised technical staff including developers, analysts, cartographers, and field personnel
- Developed and implemented GIS strategic plans aligned with organizational objectives
- Coordinated multi-departmental projects and system integrations across government agencies
- Led agile development process including sprint planning, daily standups, and retrospectives
- Consulted with department stakeholders to analyze operations and recommend GIS solutions
- Managed hiring, performance evaluations, contracts, and budget development
- Oversaw data management protocols including maintenance, metadata standards, and archives
- Conducted end-user training and developed system documentation

Senior GIS Programmer

Cayman Islands Government • November 2007 – July 2011

- Led the NGIS Development Team; managed and mentored GIS programming staff
- Managed IT procurement including hardware, software, and contractor services
- Directed complete redevelopment of public-facing web mapping applications
- Converted legacy data systems to modern geodatabase architecture
- Deployed full GIS system for Turks and Caicos Government (inter-agency project)
- Coordinated IT infrastructure relocation including servers, network, and storage systems
- Contributed to organizing URISA user conference hosted in Cayman Islands

GIS Programmer

Cayman Islands Government • October 2004 – November 2007

- Developed web mapping applications using ASP.NET, ArcIMS, and SQL Server
- Deployed HP EVA 8100 Storage Area Network including RFP development and implementation
- Performed complex spatial analysis for flood modeling and disaster response planning
- Provided GIS support during emergency operations following major hurricane events
- Created 3D model of Georgetown for urban planning and visualization

GIS Coordinator

City of College Station, Texas • January 2003 – October 2004

- Managed municipal GIS program including personnel, budget, and strategic direction
- Supervised GIS staff and coordinated projects across multiple city departments
- Deployed GIS software and training to 100+ employees across all departments
- Developed GIS applications for public safety, utilities, and fleet management
- Prepared RFPs for aerial photography acquisition and technology procurements
- Operated GIS in Emergency Operations Center during emergency events
- Presented city's GIS program at ESRI User Conference

System Analyst / GIS

City of College Station, Texas • March 2000 – January 2003

- Deployed ESRI ArcGIS, ArcIMS, and ArcSDE enterprise infrastructure on SQL Server
- Converted legacy data formats to enterprise geodatabase architecture
- Developed city intranet and implemented enterprise document management system

Software Developer (Independent)

2017 – 2025 • Maintained current technical skills

- Developed geospatial applications with real-time data visualization
- Built data integration systems using SQL, APIs, and cloud infrastructure
- Maintained proficiency in Python, JavaScript, C#, and modern development practices

EDUCATION & CERTIFICATIONS

Texas A&M University: Computer Science / Psychology
Oregon State University: Psychology / Data Science
FAA Part 107: Certified Remote Pilot (2024)
Udacity: Machine Learning Engineer Nanodegree (2016)

RECOGNITION

City of College Station Star Award for Service Excellence (2003)
City of College Station Management Academy Graduate (2004)