


Tricia K. Ryan  
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GitHub portfolio   
<https://triciakryan.github.io/portfolio/HTML/pages/Introduction.html>

**Tricia K. Ryan** is an accomplished and talented leader with experience in leading technological innovations that have resulted in expanded uses for audiences, drawing on technology features that align with standards. This resume showcases Tricia's diverse skills and areas of expertise in data analytics, system administration, site governance, project management, process improvement, front-end development, interactive media development, and academic program development and teaching.

## **Professional Experience**

### **U.S. Department of Agriculture (USDA) National Organic Program (NOP)**

#### **Program Policy Analyst (December 2021-Present)**

- **Learning Center Management and Regulatory Compliance:** Manage a high-traffic learning center with an enrollment of 15,000+ users, driving the rapid adoption of best practices and ensuring effective enforcement of federal regulations. Oversee content delivery, user engagement, and system functionality to enhance learning outcomes while ensuring compliance with regulatory standards. Lead initiatives to improve operational efficiency and foster a culture of continuous learning.
- **Site Governance Leadership:** Lead site governance efforts, ensuring the effective management of content, user access, and compliance with organizational policies and standards. Collaborate with cross-functional teams to define site protocols, improve user experience, and ensure consistent alignment with regulatory requirements and program goals.
- **Data Collection and Interactive Visualization:** Expert in collecting and analyzing large data sets to extract actionable insights. Skilled in developing interactive data visualizations using advanced tools (e.g., Power BI) to present complex information in clear, user-friendly formats. Strong ability to interpret data trends, identify key metrics, and deliver data-driven recommendations to inform strategic decision-making.
- **Professional Development Leadership:** Lead professional development sessions on advanced data analytics tools, including PowerBI, empowering teams to enhance their data analysis capabilities. Designed and delivered engaging training programs that facilitated the adoption of advanced analytics techniques (e.g., interactive dashboard visualizations, charts, and reports), enabling participants to create actionable insights and drive data informed decision-making within the program.
- **Interactive Media Development and Web Integration:** Develop engaging, interactive media and seamlessly integrated HTML into web platforms, ensuring full compliance with federal guidelines and standards. Utilized best practices in web design and development to create user-friendly, accessible content while adhering to regulatory requirements and optimizing user experience across platforms.

### **AP Ventures, LLC (APV)**

#### **Program Manager (September 2018-December 2021)**

- **Project Management:** Successfully led efforts to achieve CMMI level 3 appraisal, ensuring compliance with rigorous quality standards and significantly improving organizational process maturity.
- **Process Improvement:** Managed teams, driving process improvements, and ensuring alignment with CMMI practices across cross-functional departments. Coordinated the development and implement of process documentation, assessments, and audits, resulting in a seamless appraisal process.
- **Strategic Planning:** Worked closely with senior leadership to define strategic goals, aligning process maturity objectives with business needs, and delivering measurable improvements in performance and project outcomes.

### **Laureate Education, Inc. (January 2008-September 2018)**

#### **Director, Academic Accreditation and Compliance**

#### **Senior Instructional Designer, Technical Writer, Course Developer, IT/Engineering**

- **Accreditation Leadership and Quality Assurance:** Led accreditation initiatives to achieve and maintain high-quality standards for academic programs, ensuring compliance with accreditation bodies and enhancing institutional credibility. Collaborated with faculty and administrators to develop and implement strategic plans, continuously improving programs outcomes and aligning with industry and academic standards to sustain accreditation status.

- **Board of Directors Evaluation and Data Analysis:** Managed the comprehensive evaluation process for 80 board members across 7 institutions, ensuring accurate data collection and analysis. Synthesized evaluation results created clear and insightful data visualizations and authored detailed reports to inform strategic decision-making. Effectively disseminated findings to boards of directors, facilitating enhanced governance and performance improvements.
- **Front-End Web Developer and Site Administrator:** Front-end web developer with advanced expertise in developing user-friendly websites, including full administrative oversight of board of directors' sites and 100+ additional sites. Responsible for managing site functionality, ensuring optimal performance, and implementing updates to enhance user experience. Collaborated with stakeholders to meet their needs while overseeing security, content management, and site analytics.
- **Academic Program Development:** Co-developed and designed curriculum for multiple academic programs, including Bachelor of Science in Computer Information Systems, Master of Science in Information Systems Management, and Bachelor of Science in Information Technology. Collaborated with faculty and industry experts to create relevant, up-to-date programs that align with industry standards, preparing students for successful careers in technology and information systems management.  
Courses included: Software Frameworks, Information Assurance and Risk Management, Data Modeling and Database Design, Object-Oriented Programming
- **Content Conversion and LMS Integration:** Converted instructional content into HTML format and seamlessly uploaded it to Learning Management System (LMS). Ensured proper formatting, functionality, and compatibility with the LMS platform, while maintaining content integrity and optimizing the user experience across devices.
- **Leadership in Workplace Training:** Led comprehensive workplace training programs for the instructional design team, fostering skill development in eLearning design, content development, and instructional strategies. Guided team members in adopting best practices, improving productivity, and enhancing course design quality. Played a key role in creating a collaborative learning environment that contributed to increased team efficiency and the successful completion of projects.
- **Beta Testing Leadership and Recruitment:** Successfully recruited and supervised a team of technical beta testers, ensuring thorough testing of raw products and features. Managed the testing process, provided guidance on testing protocols, and collected detailed feedback to inform product improvements. Collaborated with cross-functional teams to address issues, optimize performance, and ensure high-quality product releases.

#### **Towson University, College of Education**

**Instructor,** Undergraduate and graduate level teaching (1/1998-1/2008)

- **Course Development and Teaching:** Developed and taught comprehensive undergraduate and graduate-level courses in Educational Technology, covering a wide range of topics including distance education theory and practice, media design and production, and integrated technology into STEM programs.
- **Innovation:** Designed innovative curricula and learning materials, ensuring alignment with current industry trends and educational best practices. Delivered engaging lectures and hands-on workshops, fostering student engagement and deep understanding of technology integration in educational settings.
- **Cutting-Edge Technologies:** Utilized diverse instructional strategies and cutting-edge technology tools to enhance learning outcomes and promote student success in both traditional and online formats. Collaborated with academic departments to continuously refine course offerings, ensuring relevance and rigor in all course content.
- **Grant Writing Team Member:** Collaborated with a cross-functional team to research, draft, and submit successful grant proposals, securing funding for key projects and initiatives.
- **Editorial Review Board Member:** Served as an active member of the editorial review board, evaluating and providing constructive feedback on submitted manuscripts to ensure quality, clarity and academic rigor.

#### **Comprehensive Technical Expertise and Advanced Proficiency Across Tools and Platforms**

- **Microsoft 365 Power User:** Proficient in creating data visuals with PowerBI and integrating with SharePoint, Using PowerAutomate and SharePoint to manage approval flows, working with files and lists with Microsoft Lists.

- **Front-end Developer | HTML, CSS, SCORM, JavaScript:** Proficient in developing responsive, user-friendly web interfaces using HTML, CSS and JavaScript, with hands-on experience in integrating SCORM for eLearning applications. Skilled in creating visually appealing, cross-browser compatible, and accessible websites, while ensuring seamless user experience and performance optimization.
- **Articulate360 | Storyline, Rise, Review:** Skilled in designing and developing interactive, engaging eLearning modules using Articulate Storyline. Proficient in creating responsive, multimedia-rich courses with custom navigation, assessments, and branching scenarios to enhance learner engagement and retention. Experienced in integrating SCORM and other LMS compatibility features for seamless deployment.
- **Learning Management System Administration:** Experienced in managing and administering Learning management Systems (LMS), including user setup, course creation, and system optimization to enhance learning and development programs. Skilled in configuring and troubleshooting LMS platforms, ensuring smooth course deployment, tracking learner progress, and providing technical support to users. Proven ability to analyze usage data to improve system performance and enhance the learner experience.
- **Visual Studio Code:** Experienced in using Visual Studio Code as a primary integrated development environment (IDE) for writing, debugging, and testing code. Skilled in utilizing extensions, version control integration, and customizing settings to streamline development workflows and optimize productivity across various programming languages and frameworks.
- **Adobe InDesign:** Proficient in using Adobe InDesign to design and layout visually compelling print and digital publications, including brochures and marketing materials. Skilled in creating polished, professional designs, with attention to typography, color theory, and layout consistency.
- **Adobe Photoshop:** Advanced skills in Adobe Photoshop for photo editing, image manipulation, and graphic design. Experienced in crating high-quality visuals, enhancing images, and designing assets for both digital and print media with a focus on creativity and precision.
- **Adobe Premiere Pro:** Skilled in using Adobe Premiere pro for professional video editing, including cutting, color correction, audio mixing, and motion graphics integration. Experienced in producing high-quality video content for a variety of platforms, ensuring seamless transitions, optimal pacing, and engaging visuals to meet project goals and specifications.
- **Microsoft Office 365 Integrated Apps:** SharePoint, Teams, PowerApps, PowerBI: Proficient in leveraging Microsoft 365 integrated applications including SharePoint, Teams, Power BI, and PowerApps to enhance collaboration, streamline workflows, and drive data-driven decision-making. Experienced in designing and deploying custom SharePoint sites, facilitating real-time communication with Teams, creating interactive reports and dashboards with PowerBI and automating business processes using PowerApps.
- **Excellent Writing Skills:** Advanced proficiency in clear, concise, and persuasive writing across a variety of mediums, with a strong focus on tailoring content to target audiences, optimizing readability, and ensuring clarity.
- **Technical Acumen:** Comprehensive understanding of complex technical concepts and systems, with the ability to analyze, troubleshoot, and communicate technical information effectively to both technical and no-technical stakeholders

## Education

Master of Science in Instructional Technology, Towson University

Bachelor of Science in Education, Towson University

## Awards

- U.S. Department of Agriculture, Marketing and Regulatory Programs, Under Secretary's Award: Organic Rulemaking 2023
- U.S. Department of Agriculture, Marketing and Regulatory Programs, Under Secretary's Award: In Service to American Agriculture 2023
- U.S. Department of Agriculture, Agricultural Marketing Service Administrator's Award 2023
- U.S. Department of Agriculture, Agricultural Marketing Service Administrator's Award 2023
- U.S. Department of Agriculture, National Organic Program: Employee of the Quarter 2022
- Laureate Education, Award of Excellence
- Towson University, College of Education: Excellence in Teacher Education Professional Award

- Towson's Elite "Towson's Best Professors", Towson University Academic Affairs