

# Adam L. Santone, PhD

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🖱️ Portfolio

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in LinkedIn

🏠 Scholar

R<sup>6</sup> ResearchGate

## Profile

Technical AI/ML/Data Science learning experience architect & educational product designer with extensive experience in crafting high-quality learning experiences. Strengths include video design, international collaboration, technical translational communication, analytical thinking, forward-looking problem-solving, and practical technical quantitative analysis skills.

## Professional Experience

### Senior Technical Instructional Designer

2020/10 – 2023/05

*Emeritus Institute of Management (Emeritus.org)* 🔗

- Designed & developed start-to-finish exceptional AI/ML/Data Science training & professional certifications for specific learner profiles in partnership with world-class faculty, executive partners, & other stakeholders
- Oversaw the design & studio recording of over 300 technical instructional videos
- Built and maintained successful relationships with highly technical subject-matter experts & external partners
- Designed & developed accessible content, curricula, assessments, custom graphics, visualizations, & interactive experiences in multiple formats for e-learning & video-based training
- Designed custom automation & efficiency tools
- Practiced excellent communication, writing, & editing skills for knowledge transfer & skill development explaining technical content to a wide variety of audiences

### Data Science Learning Experience Designer

2019/05 – 2019/11

*Massachusetts Institute of Technology | Open Learning* 🔗

- Developed & delivered data science instructional content for Uruguayan learners
- Designed, developed, & delivered 20+ data science lessons
- Presented synchronous online instructor-led content weekly to 50+ learners

### Invention Education Program Coordinator

2018/03 – 2019/04

*Massachusetts Institute of Technology | Lemelson-MIT* 🔗

- Created, delivered, & maintained 10+ invention-themed educational products
- Created custom productivity, research, & visualization tools using R and Python
- Led hands-on workshops through instructor-led training

### Professional Development Coordinator & Technical Media Producer

2012/02 – 2017/07

*Florida State University | Learning Systems Institute (LSI)* 🔗

- Owned the design & development of 350+ short-format STEAM documentary videos tied to state and national learning standards
- Led the development of 50+ mathematics- and science-related 3D models and accompanying curriculum
- Led statewide instructor-led teacher professional development
- Supervised teachers, scientists, and university faculty as workshop staff

## Skills

### R & Python

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data wrangling, analysis, modeling, visualization, interaction, file manipulation, task automation

### Data Visualization

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color theory, UI/UX, interaction design, visual design principles

### Team Management

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interpersonal development, communication strategies, project plan development, efficiency tools development

### Learning Management Systems

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Canvas, modular learning experience design

### Instructional Design

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learning objective development, cognitive load management, backward design, pedagogy, andragogy, Articulate, simulations, eLearning, ADDIE, storytelling

### Graphics

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Adobe Creative Suite, Photoshop, Premiere, Illustrator, Open Broadcaster Software, DaVinci Resolve

### Machine Learning

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principle component analysis, regression, NLP, cluster analysis, classification

### Quantitative Analysis and Modeling

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exploratory data analysis, correlation, factor analysis

### Technical Learning Experience Tools

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Quarto, Markdown, Jupyter, H5P, Trinket, Articulate Storyline

### Transferable Skills

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multimodal communication, time management, process & document organization, workflow development, team interaction, adaptability, initiative, technology literacy

## Education

### PhD, Technology (Human Spatial Cognition and Gaming)

Purdue University

### MS, Technology (Virtual Reality and Education)

Purdue University

### MS, Horticulture (Plant Molecular Biology)

Purdue University

### BS, Biology (Plant Science)

Henderson State University

## Certificates

- CS50P: Introduction to Programming with Python, CS50, Harvard University [↗](#)
- Python for Managers, Columbia Business School Executive Education [↗](#)
- Professional Graduate Certificate in Data Science, Harvard Extension School (21FS4F4HAEEW) [↗](#)

## Awards

### Merit Award

Florida State University | Learning Systems Institute (LSI)

Awarded 2013, 2014, 2015, 2016

### Pole Star of the Quarter

Emeritus Institute of Management

Awarded 2022 for the development, dissemination, and implementation of custom design process automation tools

## Outreach

### Learning Experience Developer (multiple)

BioBuilder.org | MIT Open Learning pk12 Action Group | MIT Full STEAM Ahead

2019

### Program Fellow, Graduate STEM Fellows in K-12 Education

National Science Foundation (NSF), Purdue University

2007

### Project Counselor, Spaceflight and Life Sciences Training Program

NASA (Kennedy Space Center, FL)

2004