Adam L. Santone, PhD

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📞 765-490-8450 in LinkedIn

⚲ Portfolio 🎓 Scholar

◯ GitHub R^G ResearchGate

Profile

Learning experience architect and product designer with extensive experience in crafting high-quality programs for the world's best universities. Strengths include international collaboration, effective communication, broad expertise, analytical thinking, forward-looking problem-solving, and practical technical skills.

Professional Experience

Associate Director of Design 2020 – 2023
Emeritus Institute of Management ⚲
- Designed high-quality technical online certificate courses for professional learners
- Guided world-class faculty to generate clear learning objectives
- Collaborated with key executive project partners to determine program goals
- Developed custom graphics, data visualizations, and interactive learning experiences
- Created and trained peers to use custom document automation and efficiency tools
- Communicated effectively with diverse stakeholders and partners
- Led the evangelization and adoption of technical notation formatting standards
- Leveraged project management software for program communication and deadline management

Data Science Learning Experience Designer 2019 – 2020
Massachusetts Institute of Technology | Open Learning ⚲
- Developed and delivered data science instructional content for a multinational cohort at Universidad Tecnológica del Uruguay (UTEC)
- Used R programming, visualization, and documentation tools to generate 20+ novel lessons and analysis examples covering advanced statistical methods
- Presented synchronous online instruction weekly to 50+ learners
- Collaborated with education scientists and executive program leaders to develop and implement learning goals and course plans

Education Program Coordinator 2018 – 2019
Massachusetts Institute of Technology | Lemelson-MIT ⚲
- Created, delivered, and maintained 10+ invention-themed educational products and supporting graphics media for a middle-school audience
- Created custom productivity, research, and visualization tools using R and Python to enhance job effectiveness
- Led face-to-face invention-themed hands-on workshops

Professional Development Coordinator 2012 – 2017
Florida State University | Learning Systems Institute (LSI) ⚲
- Led the development of 350+ short-format documentary videos covering topics in mathematics and science from a variety of perspectives (enthusiast, professional, expert, educator)
- Led the development of 50+ mathematics- and science-related 3D models and accompanying curriculum
- Led statewide teacher professional development in ecology and statistics topics
- Supervised teachers, scientists, and university faculty as staff in professional development workshops

Skills

R ● ● ● ● ○
data wrangling, analysis, modeling visualization, interaction, ETL pipeline development

Machine Learning ● ● ● ○ ○
principle component analysis, regression, NLP, cluster analysis, classification

Python ● ● ○ ○ ○
file manipulation, task automation, data science tasks

Quantitative Analysis and Modeling ● ● ● ● ○
exploratory data analysis, correlation, factor analysis

Team Management ● ● ● ○ ○
interpersonal development, communication strategies, project plan development, efficiency tools development

Data Visualization and Design ● ● ● ● ●
color theory, UI/UX, interaction design, visual design principles

Learning Management Systems ● ● ● ● ○
Canvas, modular learning experience design

Technical Learning Experience Tools ● ● ● ● ●
Trinket, H5P, Canvas, Jupyter, Markdown, Quarto

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

Transferable Skills ● ● ● ● ●
multimodal communication, time management, process and 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) 2019
BioBuilder.org | MIT Open Learning pk12 Action Group | MIT Full STEAM Ahead

Program Fellow, Graduate STEM Fellows in K-12 Education 2007
National Science Foundation (NSF), Purdue University

Project Counselor, Spaceflight and Life Sciences Training Program 2004
NASA (Kennedy Space Center, FL)