Stanford



# Peter Mangiafico

Digital Library Software Engineer & Specialist (Infrastructure), Library Technology

## Bio

### BIO

Peter Mangiafico is a software engineer and product manager in Digital Library Systems and Services in Stanford University Libraries. Peter works on a number of projects, including the Stanford Digital Repository (SDR) and RIALTO (a research intelligence system). Before Stanford, he worked on projects with Visionlearning, the Marine Biological Lab in Woods Hole, MA, Harvard University, and the Advent of Complex Life NASA Astrobiology team. He worked for several years on the Encyclopedia of Life project, and has previously worked as a software engineer, project manager, high school teacher, and NASA researcher.

Peter's professional interests lie in how the science community can become better connected with the public through improved public outreach and education. Since most funding is from public sources, the science community has a large vested interest in engaging in this type of activity. And since the future of our planet depends on appropriate uses of science and technology, the public needs to be informed and become a greater part of the process. Technology such as social media provides opportunities to improve these interactions and reduce the importance of the traditional industries in the middle.

### CURRENT ROLE AT STANFORD

Product Manager and Software Engineer, Digital Library Systems and Services, Stanford Libraries

### EDUCATION AND CERTIFICATIONS

- ME, University of Virginia , Engineering Physics (1998)
- MS, Johns Hopkins University , Education (1996)
- BA, Johns Hopkins University , Physics (1994)

### PATENTS

- Peter Mangiafico, Torsten Koehler, Jon Merril, Paul McGuire. "United States Patent 6789228 Method and system for the storage and retrieval of web-based education materials", Medical Consumer Media, Sep 7, 2004

### LINKS

- Github: http://github.com/peetucket
- LinkedIn: http://www.linkedin.com/in/petermangiafico

# Publications

## PUBLICATIONS

- **Computer vision and image recognition in archaeology** *Artificial Intelligence for Data Discovery and Reuse*
  Engel, C., Mangiafico, P., Isasavi, J., Lukas, D.
  2019

- **Noise power spectra of images from digital mammography detectors** *MEDICAL PHYSICS*
  Williams, M. B., Mangiafico, P. A., Simoni, P. U.
  1999; 26 (7): 1279-1293

- **DQE of a digital mammography detector using cascaded linear systems analysis**
  Williams, M. B., Simoni, P. U., Mangiafico, P. A., Stanton, M. J., Phillips, W. C., Smilowitz, L.
  RADIOLOGICAL SOC NORTH AMERICA.1998: 160–160

- **A CCD based digital detector for whole-breast digital mammography** *4th International Workshop on Digital Mammography*
  Smilowitz, L., Rosen, D., Qian, H., Phillips, W., Stanton, M., Stewart, A., Mangiafico, P., Simoni, P., Williams, M.
  SPRINGER.1998: 31–34

## PRESENTATIONS

- The Revs Digital Library - The Revs Institute (March 10, 2015)