Daniel M. Sammons

Data Analyst
NASA Langley Research Center, Hampton, VA

Research Interests

Machine learning, deep learning, applications of machine learning in science and engineering, learning with limited data, transfer learning, regularization

Education

M.S. in Computer Science, Old Dominion University (August 2015)
Project: *Identification of Delaminations in Carbon Fiber Using Convolutional Neural Networks*
Advisor: Shuiwang Ji

Graduate Certificate in Cybersecurity, Old Dominion University (May 2014)

B.S. in Mathematics, *summa cum laude*, Old Dominion University (August 2013)
Minor: Computer Science

Professional Experience

Data Analyst (November 2015-Present)
NASA Langley Research Center, Hampton, VA
Supervisor: Manjula Ambur

Pathways Intern, Big Data and Machine Learning (May 2014-November 2015)
NASA Langley Research Center, Hampton, VA
Supervisor: Manjula Ambur

Teaching Experience

Teaching Assistant, CS 120/121 Introduction to Information Literacy (Spring 2014)
Old Dominion University, Norfolk, VA
Instructor: Rehka Gupta

Teaching Assistant, CS 300 Computers in Society (Fall 2013-Spring 2014)
Old Dominion University, Norfolk, VA
Instructors: Kurt Maly, Rehka Gupta, Janet Brunelle, Kimberly Johnson, Hui Shi
(Online Course)

Publication

Daniel Sammons, William P. Winfree, Eric Burke, Shuiwang Ji. "Segmenting delaminations in carbon fiber reinforced polymer composite CT using convolutional neural networks". *42nd Annual Review of Progress in Quantitative Nondestructive Evaluation.* AIP Publishing, 2016.

Presentations

Student Poster Competition (July 2015)
42nd Annual Review of Progress in Quantitative Nondestructive Evaluation, Minneapolis, MN

Big Data Seminars (March/April 2015)
NASA Langley Research Center, Hampton, VA

Skills

Python, Lua/Torch, Caffe, C/C++, Java, Linux/Unix Shell Scripting, MATLAB, LaTeX