Stephanie Lewkowitz Hahn

Contact Information

Address: 101 SE 10th Court, Deerfield Beach, FL
Phone: 954-243-0296
email: stephanie.lewkowitz@gmail.com

Work Experience

August 2020 – November 2018 | Magic Leap, *Plantation, FL*

Senior Software Developer in Test Automation, Machine Vision, contractor

Python, Pytorch, Tensorflow, Flask, GANS, Image Object Detection, OCR, Audio spectrogram classification, noise detection, speech detection (speech to text), voice synthesis (text to speech), Audio Video sync test pipeline, Google Cloud Platform, Google Colaboratory, VM, Firewall Rules, C-sharp, Visual Studio, Software frameworks, Debugging complex system under pressure, continuous integration, Kuka robotics, Jira, Git Bash, Github, Gerrit 24/7 on-call

October 2018 – April 2017 | Crossmatch Technologies (HID Global), *Palm Beach Gardens, FL*

CTO Team Contractor, Biometric Algorithm Technologist

Deep Learning: Prototyped end-to-end deep learning systems with GPU Tensorflow on fingerprint and iris data; compressed sensing, sparse modeling, and supervised feature learning. IARPA Presentation Attack researcher. ROC curves, FAR vs FRR

Present – Jan 2016 | VoxelRx, *Boca Raton, FL*

Chief Medical Physicist, Co-Founder

Deep-Learning tech start-up/university research working on feature recognition in medical image datasets.

Feb 2017 – Aug 2016 | Harbor Branch Oceanographic Institute, *Fort Pierce, FL*

Research Scientist, Dept. of Ocean & Mechanical Engineering, Dr. Bing Ouyang

Compressed Sensing image reconstruction algorithm design, and optical-electronics hardware system testing for imaging through turbulent water.

Present – Jan 2015 | Machine Perception and Cognitive Robotics laboratory, *Boca Raton, FL*

Co-Founder and Mentor

Research hub and tech incubator for AI, focus on GPU computing

Aug 2016 – Jan 2013 | South Florida Radiation Oncology, *Boca Raton, FL*

Medical Physics Intern, Dr. Silvia Pella

Clinical Practical: Medical imaging, simulated annealing treatment planning, image contouring, linear accelerator dose calibration, shielding

Education

Aug 2016 | Florida Atlantic University, *Boca Raton*

Professional Science Masters in Medical Physics

Thesis: "Sparse modeling applied to patient identity for safety in Medical Physics"

Publication:"Deep learning human actions from video via sparse filtering & LCA"

Dec 2013 | Masters of Science in Physics

co-started MPCR Lab, four years as Physics lecture and lab teaching assistant (2012-2016)

May 2009 | University of Florida, *Gainesville*

Bachelor of Arts in Astronomy (minors in Latin, Physics and Art)

REU and CMS scholarship: Design, assembly and calibration of micro-electro-mechanical systems

Undergraduate research: Math modeling of gravitational waves, Dark Matter detector calibration

Publication: "Oscillating MEMS:the dazzling dynamics of microelectromechanical systems"

Deep Learning

Pytorch, Tensorflow, supervised, unsupervised, and n-shot learning, CNNs, GANs, NLP

Computer Programming

Python, C, C++, git, Visual Studios, Docker, flask, SQL, GPU Computing, Linux, Matlab

Interests

oil painting, sculpting, spatial computing, computer history archiving, fitness, nature