

Derek Harter

COMPUTER SCIENTIST · DATA ANALYST · MACHINE LEARNING SPECIALIST

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Education

University of Memphis

Memphis, TN

PH. D. IN COMPUTER SCIENCE

1998 - 2004

- Ph.D. Dissertation: "Towards a Model of Basic Intentional Systems: Chaotic Dynamics for Perception and Action in Autonomous Adaptive Agents"
- Member: Institute for Intelligent Systems and Computational Neurodynamics Laboratory
- Graduated with Distinction

Johns Hopkins University

Baltimore, MD

M.S. IN COMPUTER SCIENCE

1992 - 1994

- M.S. Thesis: "Simple Voice Recognition System for Remove Control of Entertainment Devices"
- Graduated with Honors

Purdue University

West Lafayette, IN

B.S. IN COMPUTER SCIENCE

1986 - 1990

Skills

Programming Python, R, C/C++/Objective-C, Java, Matlab/Octave, Perl, Bash

ML and Data Analytics Deep Learning, Tidy Data, Statistical Methods, Scientific Computing

Systems Unix Dev & Admin, Rocks HPC Cluster, Hadoop, CUDA/GPU computing, LAMP, Python/R/Jupyter ML

Research and Writing Grant Writing, \LaTeX , Markdown, Scientific Publications and Presentations, Teaching

Experience

Texas A&M University - Commerce

Commerce, TX

PROFESSOR

2004 - 2018

- Research/Teaching: Machine Learning and AI, Scientific Computing, Statistics and Data Analytics, HCI, HPC, Linux/Unix Systems
- Computational Sciences and Big Data Analytics Degree Programs
- University HPC and GPU cluster computer systems administration

Institute for Intelligent Systems, University of Memphis

Memphis, TN

RESEARCH SCIENTIST, RESEARCH PROGRAMMER

1998 - 2004

- NASA Intelligent Systems Grant NCC-2-1244 SODAS
- ONR and NSF Grant, AutoTutor Project, Lead Developer

MCIMetro

Reston, VA

SENIOR SOFTWARE ENGINEER, RESEARCH AND DEVELOPMENT

1994 - 1998

- NextStep GUI systems development, Telecom Service Provisioning Systems
- Web Development, OOAD Objective-C Business Systems

Hughes Network Systems

Germantown, MD

SOFTWARE ENGINEER

1990 - 1994

- Satellite Telecom System Administration Systems