

Tsvi Achler

MD/PhD/BS-EECS



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PERSONAL AND COMPANY PROFILE

Brain-motivated solutions to machine learning algorithms: making algorithms easier to train, evaluate, and modify. Especially interested in *Explainable AI* applications and where AI needs to be quickly updated.

EDUCATION

University of Illinois at Urbana-Champaign (1997 - 2006)
M.D. (Neurology rotations at UIUC, UCSF and Harvard)
Ph.D. Neuroscience

University of California at Berkeley (1989 -1996)
E.E. Electrical Engineering and Computer Science
B.S. Neuroscience

WORK EXPERIENCE

Optimizing Mind, Founder & CEO (2013 - Present)
Algorithm Development and Consulting

IBM Research Almaden, SYNAPSE Project, Scientist (2012 - 2013)
Cognitive Computing on Neuromorphic Hardware

Los Alamos National Labs, Synthetic Cognition, Scientist (2010 - 2012)
Cognitive & Theoretical Neuroscience, Search Experiments, Visual Attention

University of Illinois at Urbana-Champaign, Scientist (2006 - 2010)
Classifier Theories, Mixture Models, Algorithm Comparisons

Cardiometrics, Software Consultant (1996-1997)
Acquire and graph Doppler and pressure measurements in real time, automatically validate sensors.

InterHDL, Digital Hardware Simulation, Consultant (1991-1996)
Write hardware simulation libraries, ensuring correct simulations, Debugging, Quality Assurance

RECENT ARTICLES AND INTERVIEWS

<http://www.techrepublic.com/article/transparent-machine-learning-how-to-create-clear-box-ai/>

<https://medium.com/no-i-wont-fix-your-computer/how-to-make-machines-learn-like-humans-brain-like-ai-machine-learning-7c07adec3f2e>

<http://www.rsipvision.com/ComputerVisionNews-2017February/files/assets/basic-html/page-23.html>

<https://medium.com/no-i-wont-fix-your-computer/two-duck-rabbit-paradigm-shift-anomalies-in-physics-and-one-maybe-in-machine-learning-86e6e1fbdc7#.j346wdi8l>