Contact

anlthms@yahoo.com

www.linkedin.com/in/athomas (LinkedIn)
www.kaggle.com/anlthms/ competitions (Other)
www.github.com/anlthms (Other)

Top Skills

Deep Learning

High Performance Computing

Algorithms

Honors-Awards

18 awards from Cisco for outstanding performance

1st place in Gender Prediction from Handwriting, ICDAR 2013

3rd place in CIFAR-10 Object Recognition Challenge 2014

3rd place in Bird Classification Challenge, MLSP 2013

3rd place in Spam Detection Contest, O'Reilly Strata Conference 2013

Publications

New methods for acoustic classification of multiple simultaneous bird species in a noisy environment

Semi-supervised voice conversion with amortized variational inference

Semi-Supervised and Population Based Training for Voice Commands Recognition

Adversarially Trained Autoencoders For Parallel-Data-Free Voice Conversion

Patents

Infrared-aided Depth Estimation

Failover Mechanism for Real-time Packet Streaming Sessions

Anil Thomas
CEO at Luminide
San Ramon

Summary

I am a highly versatile generalist with 25 years of experience in high-tech. My areas of expertise include artificial intelligence, high-performance computing and algorithm-hardware co-design. My experience ranges from writing assembly code for specialized processors to managing research teams and executing customer-facing data science projects. I hold the title of grandmaster on the Kaggle competition platform and was ranked #2 overall, in 2014.

Experience

Luminide
Co-founder & CEO
2020 - Present (less than a year)

Intel Corporation
Director/Principal Engineer, AI Products Group
2016 - 2019 (3 years)

• Built and managed a team of seven PhD level data scientists to research AI techniques related to audio processing

• Implemented efficient kernels for convolution on the Intel NNP-T processor

• Led the development of a computer vision solution for a large company in the Oil & Gas sector

Nervana
Manager/Principal Data Scientist
2014 - 2016 (2 years)

• Executed data science projects for clients that included Paradigm, Monsanto and Blue River Technology

• Implemented the initial version of the neon deep learning framework as well as its data loader.

• Helped evolve the design of Nervana NNP (Neural Network Processor) (Acquired by Intel)

Self-employed
Data Science Consultant
2014 - 2014 (less than a year)

• Completed machine learning projects for clients that included Instacart and Gainsight.

Cisco Systems
Technical Leader
1998 - 2014 (16 years)

• Designed and implemented major features for CDS-TV, Cisco's Video-on-Demand solution for service providers. Led the design and development for increasing supported file size from 32GB to 1TB.
• Played a key role in ramping up a new business unit (VCNBU) - hiring, mentoring and setting the technical direction.
• Led the development of MPEG-2 transport stream restamping, aimed to get rid of timebase discontinuities.
• Acted as the lead architect for integrating Cisco's IP/TV live streaming product with a CDN solution. This included enhancing the live capture capabilities of the product to support standardized codecs (MPEG-4) and container formats. Led an offshore team of developers based in Chennai, India for this effort.
• Contributed to the development of the following Cisco products: VT Advantage (video conferencing), IP Communicator (telephony), Unity Express (voice mail), ACNS (CDN) and IP/TV (live capture and streaming).

National Center for Supercomputing Applications
Graduate Research Assistant
1997 - 1998 (1 year)
Urbana-Champaign

Sun Microsystems
Software Engineer Intern
1997 - 1997 (less than a year)
Palo Alto

Siemens
Software Engineer
1996 - 1996 (less than a year)
Braunschweig, Germany

Ampersand Corporation
Software Engineer
1994 - 1995 (1 year)
Bengaluru, India

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Education

University of Illinois at Urbana-Champaign
MS, Computer Science

National Institute of Technology Karnataka
BTech, Computer Engineering