

Andreas S. Weigend

Current information is at www.weigend.com. (This version: May 2006.)

Current work (since 2004)

Consulting (Weigend Associates LLC)

My work is in the area of **People and Data**. The following gives some companies where my work had significant impact in the last two years.

- **BV Capital** (San Francisco and Hamburg, Germany): Chief Scientist of consumer-focused venture capital firm. Due diligence and work with portfolio companies (including **del.icio.us**, sold to Yahoo end-2005)
- **Yahoo** (Sunnyvale, CA): Conducted the 2005 workshop on personalization
- **Match.com** (Richardson, TX), and **PlanetOut** (San Francisco): Dating sites are great playgrounds for experiments and research on People and Data
- **Alibaba** (Hangzhou, China), the largest Chinese auction site: Created their data strategy (collection, mining, metrics) and incentive schemes for participation
- **Attensa** (Portland, OR): Algorithms and strategy for empowering users to discover RSS feeds and posts leveraging attention behavior and social interactions
- **MusicStrands** (Corvallis, OR and Barcelona, Spain): Introduced tags as metadata for interface for discovery and management of music, aiming for the mobile music streaming market
- **Jambo Networks** (Dallas, TX): Helping people discover people they are interested in on a WiFi network (e.g. in a café, on campus, or a conference)
- **CleverSet** (Corvallis, OR): Worked on tech transfer to create second-generation recommendation systems based on state-of-the-art relational probabilistic models of users' intentions from clicks
- **Hubert Burda Media** (Munich, Germany): Long-term digital and online strategy for large, successful European publisher
- **Swiss International Air Lines** (Zurich, Switzerland): Online experimentation (swiss.com, RSS etc.) and incentive engineering (in-flight, mobile and online), leveraging behavioral economics

Teaching

My teaching combines academic frameworks with practical insights from my experience at leading companies. I teach regular courses at Stanford and executive short courses and EMBA worldwide.

1. Graduate level (Management Science and Engineering, and Statistics)

Stanford University, Statistics Department

Stanford, CA

Current course: "Data Mining and E-Business" (MS&E 238 = Stat 252).

2. Executive level (EMBA)

Cheung Kong Graduate School of Business
China Europe International Business School (CEIBS)
Shanghai Jiao Tong University
Tsinghua University

Beijing, China
Shanghai, China
Shanghai, China
Beijing, China

Courses include "Information Management", "Electronic Commerce", "Quantitative Methods", and "Technology, Information, and Innovation".

Full-time positions until 2004

Amazon.com (*Chief Scientist*)

Seattle, WA (02-04)

- Directed research in machine learning and computational marketing
- Supervised analytic approaches throughout the firm
- Developed relationships with universities and research labs

ShockMarket Corporation (*Chief Scientist*)

Palo Alto, CA (00-01)

A financial services startup providing information products and market sentiment, funded by Deutsche Bank, and D. E. Shaw

- Designed core product based on quantitative data analysis and behavioral finance
- Managed advisory board (D. Kahneman, T. Odean, N. Schwarz, R. H. Thaler)
- Developed partnerships with major brokerages, hedge funds, and distribution channels

MoodLogic, Inc. (*Chief Scientist*) (formerly Emotioneering, Inc.)

San Francisco, CA (99-02)

A music technology startup empowering users to discover music via software systems and data services for audio consumer electronics, music desktop applications, and music subscription services

- Designed music navigation system based on music perception and digital fingerprinting
- Built interdisciplinary team, led research, and developed successful prototype
- Created long-term vision and strategy for managing and discovering music

New York University, Stern School of Business

New York, NY (97-00)

Associate Professor of Information Systems

- Directed research group on data mining and knowledge discovery
- Revamped undergraduate course *Introduction to Information Systems*
- Developed graduate course *Data Mining in Finance* and received NYU Teaching Award

University of Colorado at Boulder

Boulder, CO (93-96)

Assistant Professor of Computer Science and Cognitive Science

- Founded and directed research group on time series analysis and prediction
- Taught courses on artificial intelligence, neural networks, and music cognition

Xerox Palo Alto Research Center (PARC)

Palo Alto, CA (91-93)

Member of Research Staff

- Developed architecture for hierarchical classification of text documents
- Applied neural networks to optical character recognition

Education

Stanford University	PhD Thesis on Neural Networks for Time Series Analysis and Prediction Advisors: D. E. Rumelhart, J. H. Friedman, W. B. Arthur, B. A. Huberman, W. A. Little	Stanford, CA (86-91) PhD in Physics MS in Physics
Bonn University	Masters Thesis on Comparing Computer Simulations of Elementary Particle Physics with Experimental Data at CERN	Bonn, Germany (83-86) Diplom-Physiker
Trinity College, Cambridge	Graduate coursework in Physics and Philosophy	Cambridge, UK (82-83)
Karlsruhe University	Undergraduate degrees in Electrical Engineering and Physics	Karlsruhe, Germany (79-82) Vordiplom

Awards

- IBM Partnership Award
- National Science Foundation (NSF) and Air Force Office of Scientific Research (AFOSR) awards and grants
- German National Scholarship Foundation (*Studienstiftung des Deutschen Volkes*), and German Academic Exchange Service (*Deutscher Akademischer Austauschdienst, DAAD*) scholarships
- Baden-Württemberg State Award (*Jubiläumsstaatsstiftung*) for best undergraduate degree

Publications

- 6 books
- 41 journal articles
- 55 refereed conference publications
- 12 book chapters

The full list of publications and a selection of recent talks is at www.weigend.com.