

# Lorien Pratt, Ph.D.

## Curriculum Vita

Sunnyvale, CA USA

+1.303.589.7476

[lorien.pratt@quantellia.com](mailto:lorien.pratt@quantellia.com)

Blog: [www.lorienpratt.com](http://www.lorienpratt.com)

### SUMMARY

Professional machine learning and decision intelligence consultant, developer, entrepreneur, writer, evangelist. Author of *Link: How Decision Intelligence Connects Data, Actions, and Outcomes for a Better World*. Co-organizer of the annual Responsible AI/DI Summit. Two TEDx talks. Inventor of machine learning inductive transfer. Co-Founder and Chief Scientist of Quantellia, LLC. Co-inventor and evangelist for Decision Intelligence. Over three decades delivering applied machine learning solutions, including for the Human Genome Project, the US Department of Energy, budget analysis for a \$100 million annual spend for the Administrative Office (AO) of the US Courts, award-winning forensic analysis for the Colorado Bureau of Investigation, RBS, DARPA, and many more.

### EDUCATION

- Ph.D., Computer Science, Rutgers University, 5/93. Thesis: *Transferring previously learned back-propagation neural networks to new learning tasks*.
- M.S., Computer Science, Rutgers University, 5/88.
- A.B., Computer Science, Dartmouth College, 5/83.

### CONSULTING

A variety of engagements including the following:

- Regular invited speaker to user groups, executive roundtables, keynotes, webinars, and workshops for organizations and companies like SAP, HP, Unisys, the TM Forum, Comptel, SAS.
- Machine learning consulting on a wide variety of projects for cyber security, web advertising, financial prediction, medical decision making, cable company capital expenditure, LIDAR image analysis, and more.
- Five-star rated consultant on the Experfy platform ([www.experfy.com](http://www.experfy.com)), from the Harvard Innovation Laboratory.
- Strategic consulting in decision intelligence, analytics, and telecom OSS/BSS to companies and organizations like the US Department of Defense, Solvina, ConceptWave, the Colorado Bureau of Investigation (CBI), Sun, IBM, Comptel, SAP, HP, Amdocs, Telcordia (now Ericsson).
- Former global director, Frost and Sullivan telecom OSS/BSS practice. Substantial role in expanding this organization from market research into market research plus consulting.

(full project list and sample media available upon request, or by googling "lorien pratt")

### PUBLICATIONS AND PRESENTATIONS

#### Books

- Lorien Pratt, *Link: How Decision Intelligence Connects Data, Actions, and Outcomes for a Better World*. Emerald (forthcoming) 2019.
- L. Pratt and M. Zangari, *Decision Engineering Primer*. 2015.
- S. Thrun and L. Pratt, eds. *Learning to Learn*. Kluwer Academic Press, 1996.

## Conference organization

- The Responsible AI DI Summit 2018, 2019. [www.responsibleaidi.org](http://www.responsibleaidi.org) Led Quantellia organization team.
- Decision Intelligence Summit 2018. <http://www.visualinsight.net/decision-intelligence-summit-2018-synthesis-visual-journal/>
- NIPS (now NeurIPS)1994. Local arrangements chair.

## Radio and Podast interviews

- *Hunting for the holy grail of digital language translation*. National Public Radio (NPR) *MarketPlace* Andy Uhler. Aired August 20 2019.
- *GigaOm Voices in AI – Episode 35: A Conversation with Lorien Pratt*. March 2018. <https://bit.ly/2P0oiDu>
- *Techemergence. Pulling Back the Curtain on Machine Learning Apps in Business – Lorien Pratt*. December 2017. <https://bit.ly/2BwsPhx>
- Invited guest. *The Weekly johnmac Radio Show*. August 2015 <http://www.blogtalkradio.com/johmac13/2015/08/30/the-weekly-johnmac-radio-show>

## Recent Professional Presentations

- *Decision Intelligence: A Force for Good*. Responsible AI/DI Summit 2019. <https://www.responsibleaidi.org/2019-summit-nyc/>
- *Decision Intelligence: How AI and ML Are Evolving to the Next Level*. Women in Data Science Silicon Valley. March 5, 2019. <https://events.sap.com/us/widssv2019/en/agendas>
- *Why the time is now for decision-making AI*. AI Decision-Making Summit 2018. <https://www.youtube.com/watch?v=FYKFb0u173I>
- *The bleeding edge of AI*. Panel presentation. Future In Review (FiRE), 2018.
- *The FiRE CTO Design Challenge: Building Zoolinga*. Future In Review (FiRE), 2018.
- *Responsible AI and DI level set*. Responsible AI DI Summit 2018. <https://www.responsibleaidi.org>
- *Why the time is now for decision-making AI*. AI Decision-Making Summit Palo Alto 2018. June 2018. <https://www.youtube.com/watch?v=FYKFb0u173I>
- *AI and DI for the future of talent*. Future of Talent retreat. 2017. <https://bit.ly/2r54VDI>
- *Machine Learning Journey*. Inaugural ExpertEdge talk series. SAP, Walldorf, Germany. July 2017.
- *Artificial Intelligence: A Perspective from Pioneers*. New Tech Longmont. <https://www.meetup.com/bdnewtech/events/233731086/>. November 2016
- *Empathy: the core of complex decisions*. TEDx Livermore, June 2016
- *How machine learning and decision intelligence can solve the world's wicked problems*. TEDx SaratogaHS, April 2016
- *Wicked problems, machine learning, and the artistic brain*. FX Palo Alto Laboratory, April 2016.
- Keynote: *Who is your company's chief decision officer?* Data4Decisions conference, Raleigh NC. March 2015. <https://www.youtube.com/watch?v=KK4AdGYepDo>
- *Decision Intelligence: Supercharging Machine Learning to 1,000s of new use cases*. (2014, November 14). <http://linkd.in/1yfhRm5>
- *Wow! How to use big data and machine learning to solve 1,000s of new problems*. (2014, November 6). <http://bit.ly/1utRpYH>
- *Decision Intelligence: Theory and Practice*. Carnegie-Mellon University, Silicon Valley. Mountain View, CA, April 2014. <http://youtu.be/BzigRILAJPE>
- *Agile Decision Making & Real-Time Analytics*. TM Forum Executive Roundtable. May 25, 2011. <http://bit.ly/1Db83xJ>
- *Why Won't Managers Use My Great Tools? How to supercharge your BI for maximum value throughout your organization*. Gateway to Innovation Summit. April 25, 2013.

- *Why Won't Managers Use My Data? Or: an invitation to become a decision engineer.* March 9, 2013. <http://slidesha.re/1KyESqO>

## Industry Journal and Newspaper Publications

- (various ghostwritten articles for organizations like Forbes, Bloomberg, Stratecast, Pipeline Magazine, more). I cover a variety of topics, including decision intelligence, machine learning, platform ecosystems, natural language processing, revenue assurance, telecom advertising, customer experience management, and telecom regulation, plus a variety of product brochures and web content.
- VR Ferose, Lorien Pratt, Sudipto Dasgupta, and Ganapathy Subramanian. *The Birth of the Inclusion Ecosystem: Precision Employment for people with Disabilities, Coolabilities, and the Rest of Us.* In *The People Centered Economy: the New Ecosystem For Work.* Vint Cerf, David Nordfors (eds). October 2018. <https://amzn.to/2R6UQBO>
- Ferose VR and Lorien Pratt, *Shifting at the Edge: Gandhi, AI, and Beyond.* Swarajya Magazine. October 2018. <https://swarajyamag.com/ideas/shifting-at-the-edge-gandhi-ai-and-beyond>
- L. Pratt, *Artificial Intelligence: The Miracle and the Menace.* G8 Summit Diplomatic Courier. June 1, 2018. <https://www.diplomaticcourier.com/2018/06/01/artificial-intelligence-the-miracle-and-the-menace/>
- VR Ferose and Lorien Pratt, *How AI is Disrupting the Law.* Digitalist Magazine. 3 April 2018.
- VR Ferose, Barney Pell and Lorien Pratt, *From The Business Of Language To The Language Of Business: The Future Of Translation Worldwide.* Digitalist Magazine. 17 May 2018. <https://www.digitalistmag.com/future-of-work/2018/05/17/future-of-translation-worldwide-06168565>
- TM Forum Case Study Handbook (most articles). 2014.
- *Delivering APIs for Enterprises is Big Business.* TM Forum Perspectives, 2013. <http://bit.ly/1KEAkxk>
- *Converting Eyeballs to Footfalls: Helping bricks and mortar compete in a digital world.* TM Forum Perspectives 2013. <http://bit.ly/1KEAkxk>
- TM Forum Case Study Handbook. 2011. <http://bit.ly/1zzEI4w>
- Lorien Pratt, *IT Strategic update: Managing by the numbers.* TM Forum Perspectives, 2011.
- Lorien Pratt, **Cloud:** creating two-side enterprise apps. TM Forum Perspectives, 2011.
- Lorien Pratt and Mark Zangari, *Leading the way to complex business models.* Telecom Asia. August 2009. <http://bit.ly/1DVanHB>
- Lorien Pratt, *It is what you think.* TM Forum Perspectives, 2011.
- Lorien Pratt and Mark Zangari, *Making good decisions.* The Straits Times, Singapore. August 6, 2009.
- Lorien Pratt and Mark Zangari, *The New Science of Decision Engineering.* Telecom Asia. September 2008. [http://www.telecomasia.net/article.php?id\\_article=10235](http://www.telecomasia.net/article.php?id_article=10235)
- Lorien Pratt and Nancee Ruzicka, *Building Back Office Brawn, Is Your House In Order?* Telecommunications Magazine, Cover story for NxtComm show issue. May 1, 2006. [http://www.telecoms-mag.com/Americas/article.asp?HH\\_ID=AR\\_2018](http://www.telecoms-mag.com/Americas/article.asp?HH_ID=AR_2018)
- Shira Levine and Lorien Pratt, *Revenue Assurance Stops the Leak.* Telephony Magazine. October 1, 2005. [http://www.telecommagazine.com/Americas/article.asp?HH\\_ID=AR\\_1185](http://www.telecommagazine.com/Americas/article.asp?HH_ID=AR_1185)
- Dan Baker and Lorien Pratt, *From Customer Care to Customer Assurance.* Billing World and OSS Today magazine. May 2004.

## White Papers

- Emsley et al, 2011: *Navigating the Telecom Ship: The CEM Control Center Catalyst.* <http://bit.ly/1zzFWqW>
- Pratt, 2010: *Common Information Modeling in a SOA Environment.* <http://bit.ly/1C8DVDP>
- Pratt & Zangari, 2008: *Overcoming the Decision Complexity Ceiling through Design.* <http://bit.ly/1DvqHL1>

- Pratt & Zangari, 2008: *High Performance Decision Making: A Global Study*.
- Pratt & Ruzicka, 2006: *Telecom Information Management and Analysis (TIMA): Challenges and Solutions*. Reviewed at <http://bit.ly/1zNfvwP>

## Invited Editor for Academic Journals

- Lorien Pratt, editor. *Connection Science*, Special Issue: Reuse of Neural Networks Through Transfer. Volume 8, Number 2. June 1996. <http://bit.ly/1lzzeak>
- S. Thrun and L. Pratt, editors. *Machine Learning. Second Special Issue on Inductive Transfer*, Dordrecht, 1997. Kluwer Academic Press <http://bit.ly/1C9ELy1>

## Webinars

- Lorien Pratt, 2013: *Supercharge Annual Budgeting: Connect Spending to Goals*. See <http://youtu.be/hcH-gwgd9sl>
- Lorien Pratt, 2013: *Principles of Decision Modeling*. See <http://youtu.be/IAoZPR1h2dl>
- Lorien Pratt, 2013: *Upending Decision Making: Start with the Outcome*. See [http://youtu.be/T\\_As\\_SCbd7Y](http://youtu.be/T_As_SCbd7Y)
- Mark Zangari and Lorien Pratt, 2010: *Conquering Complexity*. See <http://slidesha.re/df0iBF>
- Lorien Pratt, Susan McNeice, Tim McElligott. *Profitable IPTV through analytics*. <http://tinyurl.com/789n54> . June 2007.
- Lorien Pratt. *From Information Technology to Proactive Business Technology*. [http://www.bez.com/bez-on\\_demand\\_req.htm](http://www.bez.com/bez-on_demand_req.htm) . June 2007.
- Lorien Pratt. *Data Integration for OSS/BSS*. <http://www.progress.com/datatxtend/news/webinars/index.ssp> . May 2007.

## Market Research Reports

Lead author on:

- *Stratecast OSS Predictions, for 2005, 2006, 2007*
- *Service Oriented Architectures and Best Practices for Telecom*
- *Revenue Assurance Sector Assessment*
- *Assessment of CSG Systems*
- *The Value of OSS/BSS to Service Providers Worldwide: Results of a Stratecast Survey*
- *OO for OSS/BSS: Rethinking OSS/BSS from an Object Oriented Perspective to Support Service Provider Strategic Priorities*
- *X Factor Tech: Search and Web Innovations in a Multi-service Content Environment*
- *Telecom Information Management and Analysis: A New OSS/BSS Function*
- *OSS/BSS Data Migration: A Critical, and Often Overlooked, Enabler of OSS Consolidation*
- *Reducing OSS/BSS Integration Costs Through Common Infrastructure Modeling*
- *Portal's Prospects: Not As Bleak As The Numbers Show*
- *OSS Sector Analysis: Mediation*
- *Telecom Customer Assurance: Enhancing Profits Through Churn Management, CRM, Data Warehouses and Analytic Software & Services*
- *Revenue Assurance, Mediation, and Cost Management Solutions in Telecommunications*.

Contributor to the following reports:

- *Inventory Management Sector Assessment*
- *Keeping Up With the Network – New Strategies for Telecommunications Network Configuration Management*
- *Automating The Design and Assign Process*
- *OSS for IPTV: Alcatel's IPTV/ Triple Play BSS/OSS Solution*
- *Billing for Broadband Services*
- *Outsourcing, M&A, and Other Survival Strategies for OSS Vendors: Assessment of Evolving Systems*

- OSS Industry Consolidation

## Refereed Academic Publications

- M.S. Verma, L. Pratt, C. Ganesh, C. Medina, *Hair-MAP: a prototype automated system for forensic hair comparison and analysis*, *Forensic Science International* 129 (3) (2002) pp. 168-186.
- Sebastian Thrun and Lorien Pratt. *Learning to Learn: Introduction and Overview*. Chapter 1 of *Learning to Learn*. Kluwer Academic Publishers, 1996.
- Pratt, L. and Jennings, B. *A survey of transfer between connectionist networks*. *Connection Science*, 8(2), 1996:163-184. See citations online at <http://citeseer.nj.nec.com/context/168083/0>
- Lorien Pratt and Barbara Jennings. *A survey of Connectionist Network Reuse Through Transfer*. Chapter 2 of *Learning to Learn*. Kluwer Academic Publishers, 1996.
- Manavendra Misra, Lorien Y. Pratt, Charles Farris, Richard O. Hansen, *Neural Network Analysis for Hazardous Waste Characterization*. Chapter 3 of *Applications of Neural Networks in Environment, Energy, and Health*. Editors: Paul E. Keller, Sherif Hashem, Lars J. Kangas, Richard T. Kouzes. 1996.  
<http://www.emsl.pnl.gov:2080/proj/neuron/workshops/WEEANN95/proceedings.html>
- C. Medina and L. Pratt. *NNES: A Neural Network Explanation System for Transforming Trained Neural Networks into Decision Trees*. Proceedings of the Twelfth National Conference on International Joint Conference on Artificial Intelligence (1995).  
<http://citeseer.nj.nec.com/medina95nne.html>
- C. Medina, L. Pratt, and C. Ganesh. *Development of an Intelligent Forensic System for Hair Analysis and Comparison*. Proceedings of the Twelfth National Conference on Artificial Intelligence, volume 2, AAAI. July 1994.
- Lorien Y. Pratt, Lauren L. Tracy, and Michiel Noordewier. *Back-Propagation Learning on Ribosomal Binding sites in DNA Sequences using Preprocessed Features*. Proceedings of the IEEE international conference on neural networks, IEEE world congress on Computational Intelligence, Volume 5; IEEE, June 1994. Pages 3332-3335.
- Lorien Y. Pratt and Steve Nicodemus. *Case studies in the use of a hyperplane animator for neural network research*, 1994. Proceedings of the IEEE international conference on neural networks, IEEE world congress on computational intelligence, Volume 1; IEEE, June 1994. Pages 78-83 <http://citeseer.nj.nec.com/81170.html>
- Pratt L.Y., Christensen A.N.: *Relaxing the Hyperplane Assumption in the Analysis and Modification of Back-propagation Neural Networks*, in Trappl R.(ed.), *Cybernetics and Systems '94*, World Scientific Publishing, Singapore, pp.1711-1718, 1994. Citations listed online at <http://citeseer.nj.nec.com/check/433281>
- L. Y. Pratt and V. I. Gough. *Improving discriminability based transfer by modifying the IM metric to use sigmoidal activations*, *Cybernetics and Systems '94*, World Scientific Publishing, Singapore, 1994. <http://citeseer.nj.nec.com/61824.html>
- L. Y. Pratt. *Discriminability-Based transfer between neural networks*. In C. L. Giles and S. J. Hanson and J.D. Cowan, editors, *Advances in Neural Information Processing Systems 5*. Morgan Kaufmann, San Mateo, CA, 1993. Pages 204-211.  
<http://citeseer.nj.nec.com/170939.html>
- Sowmya Ramachandran and Lorien Pratt. *Information measure based skeletonisation*. In J. Moody, S. Hanson and R. Lippmann, editors, *Advances in Neural Information Processing Systems 4*. Morgan Kaufmann, San Mateo, CA, 1992. Pages 1084-1087. See citing documents online at <http://citeseer.nj.nec.com/context/414800/0> .
- Lorien Y. Pratt, Jack Mostow, and Candace A. Kamm. *Direct Transfer of Learned Information among Neural Networks*, 1991. Proceedings of the Ninth National Conference on Artificial Intelligence (AAAI-91). Pages 584-589, Anaheim, CA, July 1991. AAAI.  
<http://citeseer.nj.nec.com/pratt91direct.html>
- Lorien Y. Pratt and Candace A. Kamm. *Improving a phoneme classification neural network through problem decomposition*. In Proceedings of the International Joint Conference on Neural Networks (IJCNN-91), pages 821-826, Seattle, WA, July 1991. IEEE.  
<http://citeseer.nj.nec.com/pratt91improving.html>

- Lorien Y. Pratt, Kathleen D. Cebulka, and Peter A. Clitherow. *Residual Speech Signal Compression: An Experiment in the Practical Application of Neural Network Technology*. In Proceedings of the Third International Conference on Industrial and Engineering Applications of Artificial Intelligence and Expert Systems, IEA/AIE '90. Association for Computing Machinery, July 1990. Pages 1068-1072, Charleston, SC, July 1990. ACM.  
<http://portal.acm.org/citation.cfm?id=99124&coll=portal&dl=ACM&CFID=498829&CFTOKEN=85017696#>
- Stephen José Hanson and Lorien Y. Pratt. *Comparing biases for minimal network construction with back-propagation*. In D. S. Touretzky, editor, *Advances in Neural Information Processing Systems 1*, pages 177-185. Morgan Kaufmann, San Mateo, CA, 1989. Widely cited, see some citations at this site: <http://citeseer.nj.nec.com/context/6886/0> .

## Other Academic Publications

- Lorien Pratt, Manavendra Misra: *Perspectives On Academic Vs. Industry Environments For Women In Computer Science*. *ACM SIGCSE Bulletin 34 (2) June 2002*. Invited article.
- Lorien Y. Pratt. *Non-literal transfer Among Neural Network Learners*. Book chapter in In R.J. Mammone, editor, *Artificial Neural Networks for Speech and Vision*, Chapman & Hall, 1993.
- Lorien Y. Pratt. *Experiments on the transfer of knowledge between neural networks*. In S. Hanson, G. Drastal, and R. Rivest, editors, *Computational Learning Theory and Natural Learning Systems, Constraints and Prospects*, chapter 4.1. Morgan Kaufmann, 1993. See citations online at <http://citeseer.nj.nec.com/context/6886/0> .
- L. Y. Pratt *Non-literal transfer of information between neural network learners*. Technical Report MCS-92-04, Colorado School of Mines, Department of Mathematical and Computer Sciences, October 1992.
- Lorien Y. Pratt and C. A. Kamm. *Improving a Phoneme Classification Neural Network through Modular Decomposition* . Technical Report (Internal), Bellcore, September 1990.
- Lorien Y. Pratt. *The Potential for the Technology Transfer of Neural Network Techniques to Bellcore Applications*. Technical Report (Internal), Bellcore, July 1989.
- Lorien Y. Pratt and H. J. Sussmann. *Two algorithms for the Boltzmann machine: description, implementation, and a comparative empirical study of performance*. Technical Report SYCON-88-01, Rutgers Center for Systems and Control, 1988.

## Invited Academic Talks

- *Decision Intelligence: Theory and Practice*. Carnegie-Mellon University, Silicon Valley. Mountain View, CA, 4/2014.
- *Neural networks for Hazardous Waste Remediation*. AAAI workshop on AI and the Environment. Seattle, WA.7/1994.
- *Transfer Between Neural Networks, With An Application To Hazardous Waste Remediation*, University of Colorado, Boulder, Computer Science Colloquium.10/27/94.
- *Transfer between neural network learners, as applied to hazardous waste remediation*, Colorado University, Denver, 10/5/94.
- *Applying New Results in Neural Network Research to Dig Face Characterization*. Idaho National Engineering Laboratories.7/27/94.
- *Computational approaches to hazardous waste problems* (with Richard Hansen and Jean Bell) Rocky Flats National Laboratory.3/18/94.
- *Transferring neural network technology to applications settings*. College of Business, Denver University, 1/19/94
- *Transferring Information among Neural Networks*, Computer Science Department, Exeter University, England.6/30/93.

## HONORS AND AWARDS

- NSF CAREER award, 1995 (see GRANTS, above)

- Exemplary Research award for "Development of an Intelligent Forensic System for Hair-Analysis and Comparison". Colorado Advanced Software Institute, 1995.
- Best Paper award for the symposium: Artificial Neural Networks and Adaptive Systems in the Twelfth European Meeting on Cybernetics and Systems Research. Vienna, April 1994.
- Profiled in IEEE Expert, the Mining Company, ThinkMobile, the Google Directory of Artificial Intelligence People, think.com, search.com, answers.com, the Open Directory Project of Artificial Intelligence People

## PhD Thesis

L. Y. Pratt. *Transferring Previously Learned Back-Propagation Neural Networks to New Learning Tasks*. PhD thesis, Rutgers University, Department of Computer Science, New Brunswick, NJ 08904, May 1993. <http://citeseer.nj.nec.com/pratt93transferring.html> .

## GRANTS

- Artificial Intelligence for Positive Deviance. Samuel Merritt University, 2019.
- 1995 Development of Techniques for Neural Network Transfer, as Applied to Hazardous Waste Characterization. NSF CAREER award. See <http://www.best.com/~worktree/f/71/026f.htm>
- 1993-1994 With C. Ganesh, received the Colorado Advanced Software Institute (CASI) technology transfer grant for the application of a neural network to the task of forensic hair analysis and comparison. This project also explores methods for extracting explanations from neural networks. 1993-1994.
- With M. Misra and R. Hansen, received a grant from the Idaho National Engineering Laboratories to explore wavelet preprocessing and interpolation techniques for input to neural networks for hazardous waste sensor interpretation. 1994-1995.
- With J. Jones, received a subcontract from MTS systems, Inc., to study the use of neural networks for interpretation of wireless microsensors in advanced materials. 1995-1996. As a graduate student at Rutgers University, received a student support award to study
- Learning and Neural Networks. Grant from Siemens, Inc. 1990.

## ACADEMIC WORKSHOP AND CONFERENCE ORGANIZATION

- Co-organizer, Responsible AI/DI Summit. 2018/2019.
- Co-Chair: *Learning to learn: knowledge consolidation and transfer in inductive systems*, 1995. Workshop held at NIPS (Neural Information Processing Systems)-95, Vail, CO
- Program committee, NIPS 1995
- Program committee: IEEE Conference on Applications of Artificial Intelligence, 1995
- Program committee and session chair: International Conference on Machine Learning, 1994
- Local Arrangements Chair, NIPS 1994
- Organized the Spring 1995 *Colorado Neural Network colloquium series* at the Colorado School of Mines .
- Organized the Spring 1993 *Colorado Machine Learning colloquium series* at the Colorado School of Mines.
- Organized workshop on *Comparisons between Neural Networks and Decision Tree Induction Techniques* in conjunction with Neural Information Processing (NIPS), 1990.
- Organized the Fall, 1988 *Neural Networks colloquium series at Rutgers*.

## ACADEMIC AND TEACHING EXPERIENCE

- 1996-2002. **Telecom 101 (at Evolving Systems)**. Created, designed, and taught regularly.
- 1992-1996. Assistant Professor, **Department of Mathematical and Computer Sciences, Colorado School of Mines**. Courses taught:
  - Neural Networks (graduate course)
  - Introductory Artificial Intelligence (combined graduate/undergraduate)

- Machine Learning (graduate course)
  - Programming Concepts and Data Structures (undergraduate course)
- 1986-1992. Graduate research and teaching assistant (part time), **Rutgers University, Department of Computer Science.**
  - Neural network assistance with **Human Genome Project.**
  - Teaching assistant for Machine Learning, Introduction to Artificial Intelligence, Discrete Structures in Computer Science, Introduction to Computer Science. 1988.
  - Adjunct faculty teaching assistant (part time). Princeton University, Department of Psychology.

## INDUSTRY EXPERIENCE

### **2008-PRESENT: QUANTELLIA, LLC**

Chief Scientist and Co-founder, Quantellia, LLC delivering and evangelizing Decision Intelligence and Agile AI software and services. Core product design, evangelism, marketing, sales, requirements, hundreds of marketing collateral pieces, presentations, and more. <http://www.quantellia.com> .

### **2004-2007 STRATECAST: A DIVISION OF FROST AND SULLIVAN**

**Global Director, Stratecast OSS and Infrastructure.** Directed world's largest telecom OSS market research group through 400% growth period, adding significant consulting component to the practice. Authored reports, directed and conducted consulting projects (as above), Managed OSS team (including significant strategic planning and report review responsibilities), later promoted to managing two other practices in addition to OSS.

### **2002 – 2004: LORIEN PRATT, LLC**

Roles:

- **Senior Market Analyst** on contract with TRI. Interviews, writing, customer consulting projects, sales, web design, marketing, newsletter.
- **Telecommunications Consulting with TRI**
- **Analytics Consultant,**

### **MAY – SEPTEMBER 2003: ANSWERON, INC. – LONGMONT, CO.**

**Vice President of Business Development and Chief Scientist** for startup company offering predictive analytics solutions to the telecom and financial services industry. Part time. May-September 2003

### **MAY 1996 – 2002: EVOLVING SYSTEMS, INC. – ENGLEWOOD, CO**

Roles:

- **Director of Market Research** Created market research function.
- **Project Manager, CTPE/Call Agent**
- **Corporate Competitive Analyst**
- **Product Champion, Accounting Server**
- **Team Lead and Assistant Software Architect, MetOSS-GEM**
- **Technical lead, Practices and Standards Group**
- **Team lead, software engineering and third party / reusable software, catalyst group.**

### **1989, 1990: BELLCORE, SPEECH TECHNOLOGY RESEARCH / COMPUTER TECHNOLOGY TRANSFER**

Speaker identity verification, neural networks in telecommunications

### **1984-1986: IBM. ASSOCIATE PROGRAMMER, MVS DEVELOPMENT.**



Team lead in charge of new functionality and maintenance, System Resources Manager (SRM) component of the MVS operating system.

**1983-1984: BAKER LIBRARY. STAFF PROGRAMMER**

Designed and coded the Dartmouth College Online Catalog, an automated reference search program. User interface design and coding, UNIX system administration.

See my LinkedIn profile for references and additional information:

<https://www.linkedin.com/in/lorienpratt/>