

Ray Lopez
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EDUCATION

- Ph.D., Experimental Physiological Psychology** **1993**
University of Texas at Arlington
Advisor: Verne C. Cox, Ph.D.
Dissertation: *Analgesia for formalin-induced pain by lateral hypothalamic stimulation: Relationship to dopamine systems and reward*
- M.S., Experimental Psychology** **1992**
University of Texas at Arlington
- B.A., Psychology (minor in Zoology)** **1986**
University of Texas at Austin

PROFESSIONAL EXPERIENCE

- Manager and Senior Curriculum Architect** **Jan 2021 – present**
IBM Learning, Data Science and Artificial Intelligence
Architect of IBM Expert Labs training program. Lead teams of data science and AI course developers to build advanced education content for IBM employees and clients.
- Senior Data Scientist and Course Development Lead** **Aug 2020 – Jan 2021**
IBM Data and Artificial Intelligence
Lead a team of data science and AI course developers to build advanced education content for IBM employees and clients.
- Data Science Technical Lead** **Jan 2019 – Aug 2020**
IBM Data and Artificial Intelligence
Create and deliver technical training and education in data science and applied artificial intelligence.
- Advisory Software Engineer** **Jun 2014 – Jan 2019**
IBM Watson Platform, Austin, Texas
Provided training and education for IBM and IBM Watson clients on the theory and use of the IBM Watson artificial intelligence platform.
- Chief Technology and Innovation Officer** **Jul 2009 – Jun 2014**
Hispanic Association of Colleges and Universities, San Antonio, Texas
Provided complete system administration and design for entire IT infrastructure and managed IT work force.
- Lead System Engineer/Architect** **Sep 2007 – Jul 2009**
USAA, San Antonio, Texas
Designed solutions for document and content management. Implemented paperless solutions for banking and life insurance processes using EMC Documentum product stack.

PROFESSIONAL EXPERIENCE (CONT.)

Managing Consultant **Aug 2004 – Sep 2007**
IBM Global Services

Quality, validation, and regulatory compliance consulting for pharmaceutical and biotechnology clients deploying large systems for enterprise resource planning and document management. Also perform software development duties on J2EE/WebSphere platform

Director of Strategic Development **Apr 2003 – Aug 2004**
Q2 Learning, LLC, Falls Church, Virginia

Responsible for leading the development of next generation web-based e-learning and collaboration technology. Technology was based upon a Struts/J2EE architecture

Knowledge Management Offering Manager **Jul 2001 – Mar 2003**
IBM Global Services

Practice leader for knowledge management. Responsible for boot-strapping knowledge management capability for IBM Life Sciences and new business generation in pharmaceutical industry

Consultant and Information Technology Architect **Jan 2001 – Jul 2001**
IBM Global Services

Provided consulting expertise on knowledge management including collaboration technologies, knowledge management technology architecture, portals, process re-engineering

Senior Consultant **Feb 2000 – Jan 2001**
Caucus Systems, Incorporated, Arlington, Virginia

Provided consulting expertise on technology, systems integration, and business processes. Developed new collaborative technologies for the area of “collaborative commerce”

Senior Consultant **1998 – 2000**
Electronic Data Systems Corporation, Corpus Christi, Texas

Senior process consultant for data collection and ERP systems deployment at Corpus Christi Army Depot. Worked on several proposal teams to deploy ERP solutions in naval aviation depots and military contractor sites

Knowledge Management Consultant **1997 – 1998**
Electronic Data Systems Corporation, San Antonio, Texas

Involved in all aspects of the development and deployment of knowledge management services for the US Army Medical Department Center & School, Fort Sam Houston, Texas. Developed and deployed knowledge management tools for senior leaders within the Army Medical Department

Webmaster and Consultant **1996 – 1997**
MarTek Communications, Inc., San Antonio, Texas

Developed and deployed first knowledge management network for US Army Medical Department Center and School.

ACADEMIC APPOINTMENTS

Professor of Practice, Department of Psychology **May 2021 – present**
University of Texas at San Antonio

Taught statistics, cognition, sensation and perception, professional ethics. Courses were onsite at UTSA main campus and online.

Lecturer, Department of Psychology **2000 – May 2021**
University of Texas at San Antonio

Taught introduction to psychology, experimental psychology, statistics, cognition, sensation and perception, professional ethics. Courses were onsite at UTSA main campus and online.

Lecturer, Department of Science and Mathematics **2017 – 2022**
Texas A&M University San Antonio

Taught introduction to psychology, physiological psychology, learning theory, multicultural psychology, social psychology.

Postdoctoral Fellow **1994 – 1996**
University of Texas Health Science Center at San Antonio

Conducted basic pharmacological research in the lab of Dr. Alan Frazer, Department of Pharmacology. My research areas included studying the role of serotonin in mediating anxiety and depression in rats.

Graduate Research and Teaching Assistant **1988 – 1993**
University of Texas at Arlington

As a Graduate Assistant I studied the neural and pharmacological basis of pain and analgesia in rats.

PEER-REVIEWED PUBLICATIONS & PRESENTATIONS

Lopez, R. & Lopez, S.G. (2014). Sociability and self-esteem influences in online interactions. Presented at the 2014 Southwestern Psychological Association, San Antonio, Texas.

Garcia-Lopez, S., & **Lopez, R.** (2007). Empathic accuracy in computer-mediated communications. Paper presented at the Annual Meeting of the Association for Psychological Science, Washington, D.C., May 29, 2007.

Daws, L.C., **Lopez, R.**, Frazer, A. (1998). Effects of antidepressant treatment on inhibitory avoidance behavior and amygdaloid beta-adrenoceptors in rats. *Neuropsychopharmacology*, 19, 300-313.

Lopez, R. (1996). Modulation of ultrasonic vocalizations by serotonin-1A agonists and antagonists in young male Wistar rats. Paper presented at the Annual Meeting of the Society for Neuroscience, Washington, D.C., November 17, 1996.

Lopez, R. & Cox, V.C. (1992). Analgesia for tonic pain by self-administered lateral hypothalamic stimulation. *NeuroReport*, 3, 311-314.

PEER-REVIEWED PUBLICATIONS & PRESENTATIONS (CONT.)

Lopez, R., Young, S.L., & Cox, V.C. (1991). Analgesia for formalin-induced pain by lateral hypothalamic stimulation. *Brain Research*, 511, 1-6.

BOOKS

Lopez, S. and **Lopez, R.** (2017). *Psy 3403 Experimental Psychology Lecture Guide*. Hayden-McNeil Publications

OTHER PUBLICATIONS

Lopez, R. (1997). What is Java?. *PC Alamode*, April, 21-22.

Lopez, R. (1996). Unix for your PC. *PC Alamode*, November, 52-53.

GRANTS & AWARDS

Lab Services Awards **2016**
IBM Watson Group

Silver Award for Client Service and Creativity **1998**
EDS Government Consulting Services

Grant award (\$6,000) from Aging Resource Center **1996**
University of Texas Health Science Center at San Antonio

MEMBERSHIPS

- Association for Psychological Science (Charter Member)
- Society for Neuroscience
- Association for Computing Machinery
- Philosophy of Science Association
- Aristotelian Society
- American Catholic Philosophical Association
- International Society for MacIntyrean Enquiry

MEDIA APPEARANCES

Lopez, Ray. Interview with Joey Palacios. Google Fiber's Impact on San Antonio. Texas Public Radio, KSTX, Jul 14, 2015

Lopez, Ray. Interview with Stephanie Narvaez. San Antonio Millennial's Use of Social Media. WOAI Radio, Sep 10 2014.

Lopez, Ray. Interview with Stacy Cameron. Facebook Messenger and Privacy. News4 Troubleshooters. WOAI TV, Aug 15, 2014

MEDIA APPEARANCES (CONT.)

Lopez, Ray. Interview with news reporter. Your iPhone Could Be Tracking You. News4 San Antonio, WOAI TV, May 5, 2014.

Lopez, Ray. Interview with Erin Nichols. Teen Cell Phone Addiction. KABB TV, Feb 3, 2015.

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