

Curriculum Vitae
Trisha Naresh Patel

PERSONAL

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EDUCATION

2017 – Present **University of Illinois at Urbana-Champaign**
Ph.D. in Psychology (Cognitive Division with minor in Statistics)
Programming Experience: R, Python, SAS, JavaScript, SPSS, MATLAB

2015 – 2017 **University of Illinois at Urbana-Champaign**
M.A. in Psychology (Cognitive Division)

2011 – 2015 **University of California, Santa Cruz** (*cum laude, Highest Honors*)
B.Sc. in Cognitive Science, B.A. in Data Analysis
Relevant Coursework: Statistics, Human Computer Interaction, Learning and Memory, Language, Perception, Visual & Spatial Cognition, Cognitive Neuroscience, Computational Applications using MATLAB

HONORS AND AWARDS

2017, 2018, 2019 Teachers Ranked as Excellent by their Students

2016 Student Travel Award

2015 Outstanding Researcher

2015 Outstanding Scholar

2013 Frank X. Barron Memorial Award in Creativity Research

2013 Retention Service Award

PROFESSIONAL MEMBERSHIPS

2016 Psychonomics Society

2014 Western Psychological Association

RESEARCH EXPERIENCE

University of Illinois at Urbana-Champaign

Aug 2015 – Present *Graduate Student to Aaron Benjamin, PhD.*
Used computational cognitive models to understand processes of attention, memory, and performance. Research topics include vigilance, metacognition, and human AI interactions.

University of California, Santa Cruz: Learning and Memory Laboratory

Sept. 2012 – July 2015 *Research Assistant to Benjamin Storm, PhD.*
Research is broadly focused on the mechanism of memory and the adaptive processes of forgetting. General responsibilities included designing experiments, lab presentations, running subjects, managing hours, training research assistants, and coding data. My focus was designing experiments to look at the underlying mechanism behind creativity.

Summer Internship at NASA Ames

June 2014 – Aug. 2014 *Research Intern at the Exploration Technology Human Systems Integration division of the Spatial Auditory Displays Lab under the supervision of Elizabeth Wenzel, PhD.*
Research focuses on finding the optimal combination of visual and auditory displays during extra vehicular activities (EVA) using SPSS and MATLAB. Responsibilities included adapting research in the Human Systems Integration System at NASA Ames to experimental settings.

Undergraduate Summer Fellowship Program in Vision Science at University of Rochester

June 2013 – Aug. 2013 *Research Fellow under the supervision of Benjamin Hayden, PhD.*
A research based fellowship aimed at improving programming skills and critical thinking in research design. Responsibilities included researching articles investigating the neurobiology of reward-based decision making and analyzing data using MATLAB.

PUBLICATIONS

Patel, T.N., Steyvers, M., & Benjamin, A.S. (2019). Monitoring the ebb and flow of attention: Does controlling the onset of stimuli during encoding enhance memory?. *Memory & Cognition*, 1-13.

Ahn, J., **Patel, T.N.**, Buetti, S., & Lleras, A. (2017). Exploring the Contribution of Spatial and Non-Spatial Working Memory to Priming of Pop-Out. *Attention, Perception, & Psychophysics*.

Storm, B. C., & **Patel, T. N.** (2014). Forgetting as a consequence and enabler of creative thinking. *Journal of Experimental Psychology: Learning, Memory, and Cognition*.

PRESENTATIONS

Patel, T. N., Steyvers, M., Benjamin, A.S. (November, 2019). The metacognition of attention: Using self-scheduled breaks to improve performance. Presented at the *60th Annual Meeting of the Psychonomic Society*. Montreal, QC.

Patel, T. N., Sahakyan, L., (November, 2016). The Influence of Divided Attention on Directed Forgetting. Presented at the *57th Annual Meeting of the Psychonomic Society*. Boston, MA.

Sahakyan, L., **Patel, T.N.**, (July, 2016). The Role of Attention in Directed Forgetting. Paper presented at *International Conference on Memory*, Budapest, Hungary.

Lleras, A., **Patel, T.N.**, Buetti, S., (May, 2016). Does Similarity Affect the Order in which Items are Scrutinized in Visual Search? No. Poster session presented at *Vision Sciences Society*, St. Pete Beach, Florida.

Patel, T.N., Davidenko, N., Storm, B.C., (May, 2015). Influence of Episodic Future Thinking on Memory for Events. Poster session presented at the *Western Psychology Association Conference*, Las Vegas, NV.

Patel, T.N., Godfroy, M., & Wenzel, E.M., (August, 2014). Spatial Auditory Displays: Substitution and Complementary to Visual Displays. Poster session presented at the *UCSC Undergraduate Summer Research Symposium*, Santa Cruz, CA.

Patel, T.N., Godfroy, M., & Wenzel, E.M., (August, 2014). Spatial Auditory Displays: Substitution and Complementary to Visual Displays. Poster session presented at the *NASA Ames Research Center Summer Research Symposium*, Mountain View, CA.

Patel, T.N., Godfroy, M., & Wenzel, E.M., (August, 2014). Spatial Auditory Displays: Substitution and Complementary to Visual Displays. Poster session presented at the *Advanced Studies Laboratories NASA ARC Space Biosciences Division Summer Research Symposium*, Mountain View, CA.

Patel, T.N. & Storm, B.C. (June, 2014). The influence of expectations and future episodic thought on perception. Project presented at the *3rd Annual Psychology Undergraduate Research Conference*, Santa Cruz, CA.

Patel, T.N., Strait, C. E., & Hayden, B.Y., (August, 2013). Are rhesus monkeys rational thinkers? Poster session presented at the *Center for Visual Science Student Poster Presentation*, Rochester, NY.

Storm, B. C., & **Patel, T. N.** (November, 2013). Creative Thinking Causes Forgetting. Paper presented at the *54th Annual Meeting of the Psychonomic Society*. Toronto, Canada.

RELEVANT WORK EXPERIENCE

Synchrony Financial

Aug 2020 – *Emerging Technology Intern*
Present

Abbvie Pharmaceutical

Dec 2017 – *Health Economics and Outcome Research (HEOR) Data Analyst Intern*
Aug 2020 Used healthcare datasets to map out treatment sequences for patients.

National Center for Professional and Research Ethics

Aug 2017 – *Project Associate*
Dec 2017 Worked with C.K. Gunsalus to develop materials used to teach employees in corporate and university settings how to handle various ethical dilemmas. Materials created included writing responses to various conflicts and programming an interactive application using R Shiny.

University of California, Santa Cruz: Learning Support Services

Sept 2013 – *Program Coordinator for College Algebra.*
Aug 2015 Coordinated the type of tutor assistance needed for college-level algebra classes offered in Fall 2014. Responsibilities include using SPSS to analyze data from the past few years to determine effective use of the tutor program. These findings are discussed at weekly meetings with professors and the chair of Learning Support Services.

TEACHING

PSYCH 100: Introduction to Psychology
Title: Teaching Assistant/Instructor
Instructor: Trisha Patel (Fall 2017, Spring 2018, Fall 2018, Fall 2019)
Coordinator: Lisa Travis

PSYCH 224: Cognitive Psychology
Title: Teaching Assistant/Instructor
Instructor: Trisha Patel (Summer 2017)

PSYCH 331: Cognitive Lab
Title: Teaching Assistant
Instructor: John Hummel (Spring 2017) and Jessica Montag (Spring 2019)

PSYCH 238: Learning and Memory
Title: Teaching Assistant
Instructor: Lili Sahakyan (Fall 2016)

PSYCH 230: Sensation and Perception
Title: Teaching Assistant
Instructor: Simona Buetti (Spring 2016)

PSYCH 181: Data Analysis
Title: Learning Assistant and Tutor
Instructor: Douglas Bonett (Spring 2014)

MATH 3: Pre-Calculus
Title: Teaching Assistant
Instructor: Abraham Berman (Fall 2013), Ryan Carroll (Fall 2014)

EOP Bridge Academy Program: Pre-Calculus

Title: Learning Assistant

Instructor: Nandini Bhattacharya (Summer 2013)

CMPE 17: Social Networks

Title: Learning Assistant

Instructor: Balder TenCate (Spring 2013 and Winter 2014)

PSYCH 1: Intro to Psychology

Title: Instructional Assistant

Instructor: Kim Cardilla (Spring 2013)