

# Gabriel Allred, Ph.D.

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## EDUCATION:

**University of Nevada, Las Vegas, 2018**

*Ph.D. in Psychology – Experimental - Cognitive Emphasis*

Dissertation: “Examining the Influence of Executive Resources and Mathematical Abilities on Framing Biases”

Advisor: Mark Ashcraft, Ph.D.

Committee: David Copeland, Ph.D., Colleen Parks, Ph.D., and Pierre Liénard, Ph.D.

**University of Nevada, Las Vegas, 2016**

*Masters in Psychology – Experimental - Cognitive Emphasis*

Thesis: “Hands, and Numbers, and Dots, Oh My! Examining the Effect of Nearby-hands on Counting and Subitizing”

Advisor: Mark Ashcraft, Ph.D.

Committee: David Copeland, Ph.D., Colleen Parks, Ph.D., and Gabriele Wulf, Ph.D.

**University of Nevada, Las Vegas, 2011**

*Bachelor of Arts in Psychology*

**University of Nevada, Las Vegas, 2007**

*Bachelor of Arts in Anthropology*

## PROFESSIONAL EXPERIENCE:

**Cofounder & Chief Communications Officer** (November 2016 - Feb 2020)

Multichain Ventures, Inc. DBA Tokes Platform, Reli.Cloud

<http://multichain.ventures>

Multichain Ventures produces a number of blockchain focused products and services for payment processing, supply chain visibility, and DevOps infrastructure. Leveraging the bleeding edge of open source technology to provide solutions for any industry vertical, Multichain Ventures is the parent company to the Tokes Platform, EDEN.software, Cubedpay.io, and RELI.cloud

- Contributed to company strategy
- Responded to state RFPs and applied for technology grants

- Produced internal and external technical documents
- Led marketing strategy, produced marketing copy and press releases
- Led government affairs and outreach, consulted on technology bills for Nevada's 80th legislative session
- Contributed to project management, leading a team of six developers

**Board Member** (January 2018 - December 2018)

Providence (OS<sup>2</sup>) Systems LLC, joint venture between TheraCann International and Tokes Platform

OS<sup>2</sup> developed supply chain management solutions within the cannabis industry, including a full featured seed-to-sale software suite.

- Led project management

**Repperger Fellowship** (Summer 2016)

Air Force Research Lab 711<sup>th</sup> Human Performance Wing

Conducted applied research for the Human Performance Wing of the Air Force Research Labs at Wright Patterson Air Force Base in Dayton, OH. Research included multiple studies applied to intelligence analyst performance and workflows (i.e., human factoring and UI/UX)

**Research Assistant** (Summer 2015)

The Nevada Institute for Children's Research and Policy (NICRP)

Wrote and prepared statewide reports on childhood health factors that influenced public policy and legislation protecting children. Designed, screened, and analyzed large sets of survey data ( $N > 10,000$ ).

**Program Director** (Summer 2014)

Sport-Social, Las Vegas, NV

Managed the daily operations and activities of a social skills development program designed for children with autism. Tracked behavioral metrics and milestones for reporting to state funding agencies.

**RESEARCH AREAS:**

General: Cognitive psychology, behavioral economics

Specific: Topics in embodied cognition, mathematical cognition, decision making and risk, executive function, eye-tracking and pupillometry

## **SKILLS:**

Research (experimental design, data collection, analysis, write-up, E-Prime, Qualtrics, Mechanical Turk, eye-tracking), statistics and data analysis/visualization (inferential, exploratory analysis, multilevel modeling & SEM, multivariate, SPSS, R, Stata), project management (agile, kanban), public speaking (conferences, seminars, classrooms), presentations/decks (academic, pitch decks, data visualization), writing (research reports, technical documentation, RFP responses, grants, press releases), deep knowledge of decentralized technology (e.g., blockchain) and related financial technology.

## **PRESENTATIONS:**

**Allred, G.A.**, Senator Kieckhefer, B., & Digesti M. (2019, August) *Emerging Innovations – Blockchain, FinTech and Nevada’s Regulatory Sandbox*. Panel presentation at the Nevada Economic Development Conference, Las Vegas, NV

**Allred, G.A.** (2018, September) *Blockchain Based Cashless Payment Solutions - For the Cannabis Industry and Beyond*. Talk presented at the Building a New Nevada Conference, Smith Center, Las Vegas, NV

**Allred, G.A.** (2018, September) *Supply Chain Management on Blockchain*. Talk presented at the Building a New Nevada Conference, Smith Center, Las Vegas, NV

**Allred, G.A.** (2018, January) *Cryptocurrency and Blockchain 101*. Talk presented at the Financial Executives International Meeting (FEI), Las Vegas, NV

**Allred, G.A.** (2016, October ) *Math Avoidance in the eyes? Pupillary Response Differences in Multiplication*. Talk presented at the University of Nevada Las Vegas Data Blitz.

**Allred, G.A.**, Larson, K.G., Arestides, A.A., & Warren, R. (2016, August) *Relationship Between Implicit Learning and Cognitive Disposition*. Poster presented at the Air Force Research Labs Summer Research Summit, Wright Patterson Air Force Base, Dayton, OH.

**Allred, G.A.** (2016, August) *Assessing Cognitive Dispositions of Intelligence Analysts: Proposed model and introductory studies*. Talk presented at the Air Force Research Labs Summer Research Summit, Wright Patterson Air Force Base, Dayton, OH.

Moore, A. M., **Allred, G. A.**, An W., & Ashcraft M. H. (2015, November) *Pupillary Response and Mental Multiplication*. Poster presented at the annual meeting of the Psychonomic Society, Chicago, IL.

**Allred, G. A.**, An W., & Ashcraft M. H. (2015, May) *Math Avoidance in the Eyes? Pupillary Response Differences in Multiplication*. Poster presented at the meeting of the Western Psychological Association, Las Vegas, NV.

**Allred, G. A.** (2014, March). *N-Back, Numerical Distance, and Nearby Hands*. Talk presented at the University of Nevada Las Vegas Professional Seminar

**Allred, G. A.** (2013, May). *Numerical Distance Effects in N-Back and the Influence of Math Anxiety*. Talk presented at the University of Nevada Las Vegas Professional Seminar

Moore, A. M., **Allred G. A.**, Ashcraft M. H. (2011, November). *Calibrating Adults' Estimates in Dot Enumeration*. Poster presented at the meetings of Psi Chi, National Honor Society in Psychology (UNLV chapter) conference, Las Vegas, NV. 3<sup>rd</sup> place award.

Moore, A. M. & Ashcraft, M. H., **Allred, G. A.** (2011, May). *Influence of Endpoint Knowledge in Dot Enumeration*. Poster presented at the annual meeting of the Association of Psychological Science, Washington, D.C.

**Allred, G. A.** (2006, April). *Community and Spirituality in Rave Culture: A Look into the Psychology of a Youth Movement*. Talk presented at the meetings of the Society for the Anthropology of Consciousness, Pacific Grove, CA.

#### **PUBLICATION:**

Moore, A. M., McAuley, A. J., **Allred, G. A.**, & Ashcraft, M. H. (2014). Mathematics anxiety, working memory, and mathematical performance. In *The Routledge International Handbook of Dyscalculia and Mathematical Learning Difficulties* (pp. 326-336). London: Routledge.

#### **GRANTS & RFPS:**

**Nevada State Treasurer's Office, RFP 05TO-S953**, (Author, 2020), *Closed-Loop Payment Processing*, Multichain Ventures (Tokes Platform) & Vault Logic, awarded.

**State of Rhode Island, RFP # 7598824** (Author, 2019) *Supply Chain Visibility for the Cannabis Industry using Blockchain*, Multichain Ventures (Tokes Platform), unawarded.

**Waves Labs Grant** (Author, 2019) *User Friendly Ecommerce Payments Using Waves and Waves Assets*, Multichain Ventures (Tokes Platform), awarded.

**Association for Psychological Science Student Caucus (APSSC) Grant** (Principal Investigator, 2016) Allred, G.A. & Larson, K.G., *Holding onto Memories: Using Tablet Computers to Improve Age-Related Memory Deficits*, awarded.

## **TEACHING:**

**Cognitive Psychology - PSY 316** (Spring 2016 - Fall 2016)

University of Nevada, Las Vegas

Covers the major areas of cognitive psychology including attention, pattern recognition, memory, language, and problem solving.

**Research Methods in Psychology - PSY 240** (Fall 2017)

University of Nevada, Las Vegas

Introduction to research methods, including experimental design, data collection, ethics, and evaluation of scientific research.

**Introduction to Psychology - PSY 101** (Fall 2014 - Spring 2017)

University of Nevada, Las Vegas

Introduction to psychology, including sensation-perception, cognition, physiological psychology, learning, personality, development, social psychology, assessment, and history.

## **PROFESSIONAL SERVICE:**

**Commentor** (2019)

Nevada Senate Bill No. 195 *AN ACT relating to virtual currency; enacting the Uniform Regulation of Virtual-Currency Businesses Act; enacting the Uniform Supplemental Commercial Law for the Uniform Regulation of Virtual-Currency Businesses Act*  
Nevada Legislature, Judiciary Committee during Nevada's 80th Session

**Commentor** (2019)

Nevada Assembly Bill No. 466 *AN ACT relating to financial transactions; requiring the State Treasurer to create a pilot program for the establishment of one or more closed-loop payment processing systems to facilitate certain financial transactions*

*relating to marijuana*, Nevada Legislature, Committee on Growth and Infrastructure

**ACADEMIC SERVICE:**

**4th year cohort representative** (2015-2016) Experimental Psychology Student Committee, University of Nevada, Las Vegas

**Vice President** (2014-2015) Experimental Psychology Student Committee, University of Nevada, Las Vegas

**1st year cohort representative** (2012-2013) The Experimental Psychology Student, Committee, University of Nevada, Las Vegas

**PROFESSIONAL AFFILIATIONS, CERTIFICATIONS, AWARDS:**

**Responsible Conduct of Research Certified** via CITI

**Society for the Teaching of Psychology**

**Association for Psychological Science**

**Psi Chi, National Honor Society in Psychology**

**Repperger Fellowship** (Air Force Research Labs 711<sup>th</sup> Human Performance Wing, 2016)

**University of Nevada Las Vegas Access Grant**

**MEDIA & INTERVIEWS:**

*Interview: Gabriel Allred, Idea Mensch*, <https://ideamensch.com/gabriel-allred/>

*How Blockchain Can End Cannabis Looping and Smurfing Schemes*, **Forbes**, <https://www.forbes.com/sites/andrebourque/2019/02/28/how-blockchain-can-end-cannabis-looping-and-smurfing-schemes/#344e3776605f>

*Intriguing People 2018: Gabriel Allred and Michael Wagner: Changing the Cannabis Industry One Toke at a Time*, **Vegas Seven**, <http://vegasseven.com/2018/02/28/gabriel-allred-and-michael-wagner-changing-the-cannabis-industry-one-toke-at-a-time/>

*Cannabis Crypto Currency & Blockchain*, **Periodic Effects - Cannabis Business and Science**, <https://www.periodiceffects.com/episodes/086>