

Michael A. Gomez

c/o Psychology Department
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Ronald E. McNair Scholar

EDUCATION

B.A., Psychology (Graduation date May 2013)
California State University, Dominguez Hills, Carson, California

A.A., Social & Behavioral Science (Graduation date May 2011)
El Camino College, Torrance, California

RESEARCH INTERESTS

Broadly, I am interested in human cognition as it applies to attention. Specifically my interests rest in exploring the cognitive processes and effects associated with heavy task-switching behavior within a digital media-rich environment as related to endogenous attending and inhibition control. I also have an interest in the potential role that the depletion of certain cognitive resources may have on subsequent executive function and performance.

RESEARCH EXPERIENCE

SENIOR THESIS: Assessment of Continuous Partial Attention (2012 - present)

California State University, Dominguez Hills

Mentor: L. Mark Carrier, Ph.D.

- Study looking to gather empirical evidence to support the proposed notion of a specialized sensory mode known as Continuous Partial Attention
- Carried out an extensive review of prior research
- Developed a research proposal
- Assisted in the formulation of an appropriate measurement system
- Wrote and developed custom computer code for the experimental condition
- Commenced work on a primal cognitive model
- Assembled project team and administered training
- Designed, implemented and completed a pilot study

- Gathered appropriate test materials
- Authored study script and procedures
- Authored a successful IRB proposal
- Scored and entered data for preliminary analysis
- Oversaw the safe and secure storage of data

Impact of Technology on Time Perception (2012 - present)

California State University, Dominguez Hills

Mentor: L. Mark Carrier, Ph.D.

- Study exploring the link between time perception and media use
- Aided in the conceptualization of appropriate media for experiment
- Produced video media for the experimental condition
- Administered experiment to all study participants (500+)
- Oversaw the collection, organization and storage of data
- Assisted in the input of raw data for analysis

Digital Media Usage Scale Creation (Spring 2012)

California State University, Dominguez Hills

Mentor: L. Mark Carrier, Ph.D.

- Study that sought to develop a valid and reliable scale by which to measure an individual's level of digital media use
- Helped conceptualize direction and focus of the new scale system
- Aided in the creation of the self-reporting questionnaire
- Procured volunteers from campus to participate and provide data
- Assisted in the collection and analysis of data

CONFERENCE PRESENTATIONS

Gomez, M.A. & Carrier, L.M. (2013, April). *Assessment of Continuous Partial Attention*, Oral presentation for the University of California, Dominguez Hills, Student Research Day Winner Symposium.

Gomez, M.A. & Carrier, L.M. (2013, February). *Continuous Partial Attention: Development of a Cognitive Model*, Oral presentation for the University of California, Dominguez Hills, 8th Annual Student Research Day.

Gomez, M.A. & Carrier, L.M. (2013, February). *Time Perception and Prior Use of Computer-Based Technology*, Oral presentation for the University of California, Dominguez Hills, 8th Annual Student Research Day.

Gomez, M.A. & Carrier, L.M. (2012, August). *Continuous Partial Attention: Cognitive Danger or Pop Culture Myth?*, Oral presentation for the University of California at Berkeley, 20th Annual California McNair Scholars Symposium.

Gomez, M.A. & Carrier, L.M. (2012, May). *Research Towards Validating the Existence of Continuous Partial Attention*, Oral presentation for the University of Washington, Seattle, 15th Annual Undergraduate Research Symposium.

AWARDS AND HONORS

- First Place, Student Research Day, Oral Presentation, California State University, Dominguez Hills (Spring 2013)
- Ronald E. McNair Scholars Program, California State University, Dominguez Hills (Spring 2012)
- Honors List, California State University, Dominguez Hills (Spring 2012)
- Honors List, California State University, Dominguez Hills (Fall 2011)
- Award of Achievement, El Camino College, Compton Community Educational Center, Extended Opportunity Programs & Services (Spring 2011)
- Dean's List, El Camino College (Spring 2011)
- Dean's List, El Camino College (Fall 2009)

AFFILIATIONS/MEMBERSHIPS

Student Committee, 8th Annual CSUDH Student Research Day 2013

Title: Chairperson

California State University, Dominguez Hills (Fall 2012 – present)

- Attend bi-monthly meetings with the faculty committee
- Create and implement a plan to publicize the event on campus
- Recruit volunteers and formulate a student committee
- Develop and generate appropriate media materials (PowerPoint presentations, flyers)
- Organize weekly work schedule for student committee volunteers
- Monitor the ordering, storage and influx of 3rd party event materials
- Held poster presentation training sessions
- Assembled and stored items for presenters, faculty advisors, and judges
- Recruited student volunteers from campus population
- Created and organized student volunteer schedule (60+ individuals)

George Marsh Applied Cognition Laboratory

Title: Research Assistant

California State University, Dominguez Hills (Spring 2012 – present)

- Attend weekly meeting with faculty mentor to discuss current projects and status
- Attend mandatory twice weekly laboratory meetings/workshops
- Install and calibrate new software and hardware on PC workstations
- Aid in the maintenance of a safe and productive laboratory environment

Psi Chi (The International Honor Society in Psychology)

Title: Chapter President

California State University, Dominguez Hills (Spring 2012 – present)

- Maintain a close relationship with department faculty
- Oversee bi-monthly chapter meetings to discuss current affairs of the organization with members
- Logistical planning and assistance of chapter-sponsored campus events
- Maintain and uphold the organization's guidelines of conduct and excellence

American Psychological Association (Fall 2012 – present)

Western Psychological Association (Fall 2012 – present)

Psychology Club, California State University

Dominguez Hills (Fall 2011 – present)

Alpha Gamma Sigma Honor Society

El Camino College, Compton Educational Center (Spring 2010 – Spring 2011)

ADDITIONAL SKILLS AND EXPERIENCE

- Strong independent researcher skills
- Experience directing and conducting research on large groups (100+ participants at a time)
- Excellent communication and public speaking skills
- Experience training fellow research assistants on laboratory/project protocol
- Skills in computer programming (HTML, JavaScript, PHP)

George Marsh Applied Cognition Laboratory website (Summer 2012)

- Led the development team
- Authored, edited and procured original digital content

- Wrote custom HTML code
- Oversaw completion and publication of the site: <http://www.GmacLab.org>

REFERENCES

Dr. L. Mark Carrier, Ph.D.
Professor & Chairperson, Department of Psychology
100 East Victoria Street
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Dr. Larry D. Rosen, Ph.D.
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