

# Carlton J. Fong

DEPARTMENT OF EDUCATIONAL PSYCHOLOGY  
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## Education

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2008 - 2014	PhD, <i>Expected</i> , The University of Texas at Austin Educational Psychology: Learning, Cognition, Instruction and Motivation
2008 - 2011	MEd, <i>Expected</i> , The University of Texas at Austin Educational Psychology: Quantitative Methods
2004 - 2008	BA, University of California, Berkeley, Cognitive Science: Society, Culture and Cognition BA, University of California, Berkeley, Linguistics Minor in Education, University of California, Berkeley Thesis: "Identity Issues in ESL Online Chat Rooms: A Cautionary Case" Adviser: Randi A. Engle, PhD High Honors - <i>magna cum laude</i>

## Research Interests

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Currently, I am interested in motivation and academic self-efficacy for at-risk student populations. I study how students can increase academic achievement through enhancing their self-beliefs and cultivating effective learning strategies. In particular, I am interested in issues surrounding academic resilience and academic buoyancy, and how students cope and manage stress and setbacks in school. As a second line of research, I am also interested in underachievement and its motivational underpinnings. Thirdly, I am interested in the development and use of research synthesis in social science research, including the use of meta-analysis and systematic review. Lastly, I am interested in issues surrounding fidelity of implementation and quality of proximal variable measures in large-scale efficacy and effectiveness studies and randomized controlled trials.

## Funded Research Grants

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July 2010 - present	National Randomized Controlled Trial (RCT) Study of Everyday Mathematics (EM) Program. U.S. Department of Education, Institute of Education Sciences, National Center for Education Research, Education Research Grants Program (Goal 4: Scale-Up Evaluations; Mathematics and Science).
October 2009 - present	Louisiana Striving Readers Project Evaluation: A Randomized Controlled Trial of the Voyager Passport Reading Journeys Program. U.S. Department of Education, Institute of Education Sciences, Office of Elementary and Secondary Education.
July 2009 - present	National Randomized Controlled Trial (RCT) Study of SRA/McGraw-Hill Open-Court Reading (OCR) Program. U.S. Department of Education, Institute of Education Sciences, National Center for Education Research, Education Research Grants Program (Goal 4: Scale-Up Evaluations; Reading and Writing).
October 2008 - present	Vocational Rehabilitation Service Models for Individuals with Autism Spectrum Disorders. U.S. Department of Education, Office of Special Education and Rehabilitative Services (OSERS), National Institute on Disability and Rehabilitation Research (NIDRR).
2007 - present	Bright Futures Madison Parish School District – Early Reading First Grant. U.S. Department of Education, Institute of Educational Sciences, Office of Elementary and Secondary Education.

## Research Skills and Methodologies

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**Statistical Software:** SPSS, SAS, R, Matlab, Comprehensive Meta-Analysis (CMA)

**Statistical Analyses:** Descriptive statistics, analysis of variance, linear and logistic regression, multiple regression, correlation analysis, canonical correlation analysis, multivariate methods, discriminant function analysis, exploratory and confirmatory factor analysis

**Research Methods:** Experimental research design (QED, RCT), longitudinal research, meta-analysis, systematic review, discourse analysis, program evaluation, fidelity of implementation

## Research Experience

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- 2009 - present    **SEDL (formerly Southwest Education Development Laboratory)**  
 2010 - present | Research Intern, Research and Evaluation  
 Principal Investigator: Michael Vaden-Kiernan, PhD, Austin, TX  
 2009 - 2010 | Advanced Student Scholar, Disability Research to Practice  
 Principal Investigator: John D. Westbrook, PhD, Austin, TX
- 2010 - present    **Underachievement and Motivation Meta-Analysis**  
 Graduate Research Assistant, Department of Educational Psychology  
 Principal Investigator: Erika A. Patall, PhD, The University of Texas at Austin
- 2009 - present    **Community College Longitudinal Retention (CCLR) Study**  
 Research Assistant, Department of Educational Psychology  
 Principal Investigator: Claire Ellen Weinstein, PhD, The University of Texas at Austin
- 2008 - present    **Scholarly Productivity and Journal Quality in Educational Psychology**  
 Co-Principal Investigator, Department of Educational Psychology  
 Principal Investigator: Daniel H. Robinson, PhD, The University of Texas at Austin
- 2009 - 2010       **Charles A. Dana Center**  
 Graduate Research Assistant, Research and Evaluation & New Initiatives and National Mathematics Leadership  
 Principal Investigator: Philip Uri Treisman, PhD, The University of Texas at Austin
- 2008 - 2009       **Alien Rescue Project: Problem-Based Learning Hypermedia**  
 Research Assistant, Department of Instructional Technology  
 Principal Investigator: Min Liu, EdD, The University of Texas at Austin
- 2006 - 2008       **Discourse, Interaction and Learning Lab (DILL)**  
 Research Assistant, Department of Cognition and Development  
 Principal Investigator: Randi A. Engle, PhD, University of California, Berkeley
- 2005 - 2007       **Language and Technology, Undergraduate Research Apprenticeship Program**  
 Research Assistant, French Department  
 Principal Investigator: Richard Kern, PhD, University of California, Berkeley

## Publications

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- Acee, T. W., Weinstein, C. E., Jordan, M., Dearman, J. K., & **Fong, C. J.** (in press). *Self-Regulated learning: Helping students manage their own learning*. Manuscript accepted for publication at *CRLA Handbook for Training Peer Tutors and Mentors*.
- Zientek, L. R., Yetkiner, Z. E., **Fong, C. J.**, & Griffin, M. (in press). Factors influencing students' success in developmental mathematics courses. Manuscript accepted for publication at *Community College Journal of Research and Practice*.
- Fong, C. J.**, & Asera, R. (2010). Psychosocial theories to inform a new generation of student support structures for learning mathematics. *Problem Solution Exploration Papers Series*. White paper prepared for the Carnegie Foundation for the Advancement of Teaching. Stanford, CA. Paper available at: <http://www.carnegiefoundation.org/sites/default/files/elibrary>
- Jones, S. J., **Fong, C. J.**, Torres, L. G., Yoo, J. H., Decker, M. L., & Robinson, D. H. (2010). Productivity in educational psychology journals from 2003 to 2008. *Contemporary Educational Psychology*, 35, 11-16.
- Fong, C. J.**, Yoo, J. H., Jones, S. J., Torres, L. G., & Decker, M. L. (2009). Trends in female authorships, editorial board memberships, and editorships in educational psychology journals from 2003 to 2008. *Educational Psychology Review*, 21(3), 267-277.

## Manuscripts in Preparation

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- Westbrook, J. D., Nye, C., **Fong, C. J.**, & Wan, J. (2010). *The effectiveness of adult employment assistance services for persons with autism spectrum disorders*. Campbell Collaboration systematic review protocol available at [CampbellCollaboration.org](http://CampbellCollaboration.org).
- Zientek, L. R., **Fong, C. J.**, & Yetkiner, Z. E. (in preparation). *The role of students' self-efficacy in developmental mathematics across ethnicity*. To be submitted for publication at *Journal of Experimental Education*.
- Patall, E. A., **Fong, C. J.**, Jones, S. J., Zuniga, R., & Flanagan, K. (in preparation). *The relationship between underachievement and motivation: A meta-analysis of research findings*. To be submitted for publication at *Review of Educational Research*.
- Fong, C. J.**, Zientek, L. R., & Yetkiner, Z. E. (in preparation). *The relationship between self-efficacy and students' perceptions of teacher practices in developmental mathematics*. To be submitted for publication at *Research in Higher Education*.

## Presentations

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- Fong, C. J.** (2010, April). *Female Involvement in Educational Psychology Journals From 2003 to 2008*. Paper session presented at the Annual Meeting of the American Educational Research Association, Denver, CO.
- Fong, C. J.** (2010, April). *Identity Issues in an ESL Online Chat Room: A Cautionary Case*. Poster session presented at the Annual Meeting of the American Educational Research Association, Denver, CO.
- Krause, J. M., **Fong, C. J.**, & Harvey, K. E. (2010, April). *Increasing Student Mathematics Self-Efficacy and Resilience Through Collaborative Learning*. Paper session presented at the Annual Teacher Education Symposium of the Consortium for Research in Teacher Education, Austin, TX.
- Acee, T. W., Weinstein, C. E., Sylvester Dacy, B., & **The CCLR Research Group**. (2010, March). *Motivational Influences on Achievement/Retention in the Community College Longitudinal Retention Study*. Paper session presented at the Annual Meeting of the National Association of Developmental Education, Cleveland, OH.
- Schneider, C. S., Chao, T., Leach, L. F., & **Fong, C. J.** (2010, February). *Effect of the Academic Youth Development Program on Student Beliefs*. Paper session presented at the Annual Meeting of the Southwest Educational Research Association, New Orleans, LA.
- Weinstein, C. E., Acee, T. W., Krause, J. M., & **The CCLR Research Group**. (2009, October). *Relationships Among First-Generation Status, SES, Strategic Learning, Achievement and Retention*. Paper discussion presented at the Annual Meeting of the College Reading and Learning Association, Richmond, VA.
- Fong, C. J.** (2008, May). *Identity Issues in an ESL Online Chat Room: A Cautionary Case*. Roundtable session presented at the Graduate School of Education Research Day, University of California, Berkeley, CA.
- Fong, C. J.** (2007, March). *Identity Issues in ESL Online Chat Rooms: Positioning Statements in Joint Projects*. Paper presented at the Cornell University Undergraduate Linguistics Colloquium, Ithaca, NY.

## Fellowships, Awards, and Honors

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| 2010 - 2011 | <b>Joseph L. and Katherine D. Henderson Foundation Scholarship</b><br>Department of Educational Psychology, The University of Texas at Austin    |
| 2010        | <b>Professional Development Travel Award</b><br>Department of Educational Psychology, The University of Texas at Austin                          |
| 2008 - 2009 | <b>Educational Annual Fund Endowed Presidential Scholarship</b><br>Department of Educational Psychology, The University of Texas at Austin       |
| 2008        | <b>Senior Honors Thesis: High Honors - <i>magna cum laude</i></b><br>Undergraduate Interdisciplinary Studies, University of California, Berkeley |
| 2007        | <b>Academic Opportunity Fund - Stipend for Academic Research</b><br>The Associated Students of the University of California, Berkeley (ASUC)     |

## Professional Affiliations and Services

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2010 - present	<b>Member, Society for Research on Educational Effectiveness</b> <b>Member, Consortium for Research in Teacher Education</b> <b>Member and Affiliate, The Campbell Collaboration</b>
2009 - present	<b>Member, American Educational Research Association</b> 2009 - present   Member, Division C: Learning and Instruction 2010 - present   Member, Division H: Research, Evaluation, and Assessment in Schools 2010 - present   Member, Division J: Post-Secondary Education 2010 - present   Member, Motivation in Education Special Interest Group 2010 - 2011   Ad-Hoc reviewer, AERA Annual Conference 2011 (Division J)  <b>Member, American Psychological Association</b> 2009 - present   Member, Division 15: Educational Psychology 2009 - 2010   Ad-Hoc Reviewer, APA Annual Convention 2010  <b>Member, Southwest Education Research Association</b> 2010 - present   Graduate Student Representative
2009	<b>Program Chair Assistant, National Association of Research and Rehabilitation Training Centers Annual Conference</b>
2008	<b>Ad-Hoc Reviewer, Campus Technology Conference – 16<sup>th</sup> Annual Education Technology Conference</b>

## Teaching Experience

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Fall 2010	<b>Individual Learning Skills</b> (Assistant Instructor), The University of Texas at Austin Supervisor: Claire Ellen Weinstein, PhD
Fall 2007	<b>Introduction to Cognitive Science</b> (Head Graduate Student Instructor), University of California, Berkeley Instructor: Thomas Griffiths, PhD
Spring 2007	<b>Introduction to Cognitive Science</b> (Graduate Student Instructor), University of California, Berkeley Instructor: Jose M. Carmena, PhD
2008 - 2009	<b>Amusing Ourselves to Death: The Desensitizing Effects of the Media</b> (Instructor), University of California, Berkeley Supervisor: Richard Sterling, EdD

## Invited Talks and Guest Lectures

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### **Trends in Female Productivity, International Involvement, and Collaboration in Educational Psychology Journals**

UT Austin-Baylor Research Interexchange, Baylor University, October 2009

### **Exploring Cognitive Science and Interdisciplinary Studies**

Exploring the Liberal Arts, University of California, Berkeley, November 2007

### **Social and Distributed Cognition**

Introduction to Cognitive Science, University of California, Berkeley, May 2007

## Professional Experience

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2006 - 2008	<b>Letters and Science Undergraduate Advising</b> Academic Peer Adviser, College of Letters and Science, University of California, Berkeley
2005 - 2008	<b>Cognitive Science Peer Advising</b> Academic Peer Adviser, Group Major in Cognitive Science, University of California, Berkeley
Summer 2007	<b>Life University and Life School (Sihanoukville, Cambodia)</b> Teacher, Elementary, secondary, and college-level courses in English, Math, Art and Music, Cambodia

- 2006 - 2008      **Berkeley Academics Summer Camp**  
Teacher, English Composition and Chess elective to 1<sup>st</sup> – 6<sup>th</sup> graders
- 2006 - 2008      **ImpACT (Impacting Asian Communities for Tomorrow): Academic Enrichment**  
Teacher, Music, Reading, Mathematics, and Chemistry to 2<sup>nd</sup> - 3<sup>rd</sup> graders, Oakland, CA

## Training and Professional Development

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- 2010      **UT Summer Statistics Institute**  
Division of Statistics and Scientific Computation, The University of Texas at Austin

## Relevant Graduate Coursework

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| Cognition and Behavior                        | Cognitive Science Seminar                            |
| Correlation and Regression                    | Measurement and Evaluation                           |
| Data Analysis Using SAS                       | Motivation and Emotion                               |
| Discourse and Learning                        | Practicum in Research of Human Learning              |
| Directed Research: Educational Psychology     | Psychology of College Student Learning and Retention |
| Evaluation Models and Techniques              | Psychology of Learning                               |
| Experimental Design and Statistical Inference | Teaching Cognitive Science                           |
| Individual Through a Life Cycle               | Psychometric Theory and Methods                      |
| Instructional Psychology                      | Seminar in Social Psychology                         |
| Introduction to Quantitative Research         | Survey of Multivariate Methods                       |