

# DAVID M.G. LEWIS

Assistant Professor  
Neuroscience Program & Psychology Department  
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## EDUCATION

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**Ph.D., Psychology (Advisor: David M. Buss)**  
The University of Texas, Austin, TX, 2013

**B.A., Biology & Spanish, *Magna Cum Laude***  
Tufts University, Medford, MA, 2004

## ACADEMIC EMPLOYMENT

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*Assistant Professor*  
Neuroscience, Bilkent University, Ankara, Turkey 2015-Present

*Assistant Professor*  
Psychology, Bilkent University, Ankara, Turkey 2013-Present

## PUBLICATIONS

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**Lewis, D.M.G.**, Russell, E.M., Al-Shawaf, L., & Buss, D.M. (2015). Lumbar curvature: a previously undiscovered standard of attractiveness. *Evolution & Human Behavior*, 36, 345–350.

**Lewis, D.M.G.** (2015). Evolved individual differences: Advancing a condition-dependent model of personality. *Personality and Individual Differences*, 84, 63-72.

**Lewis, D.M.G.**, Al-Shawaf, L., & Yilmaz, C.<sup>†</sup> (2015). The Openness-calibration hypothesis. *Personality and Individual Differences*, 81, 53-60.

North, R., & **Lewis, D.M.G.** (2015). The things they carry: Characterizing the biggest problems in the lives of emerging adults. *Journal of Social and Clinical Psychology*.

Russell, E.M., Ta, V., **Lewis, D.M.G.**, Babcock, M.J., & Ickes, W. (2015). Why (and when) straight women trust gay men. *Archives of Sexual Behavior*.

**Lewis, D.M.G.**, Al-Shawaf, L., Russell, E.M.<sup>†</sup>, & Buss, D.M. (2015). Friends and happiness: An evolutionary perspective on friendship. In M. Demir (Ed.), *Friendship and Happiness* (pp. 37-57). Springer.

Al-Shawaf, L., **Lewis, D.M.G.**, & Buss, D.M. (2015). Disgust and mating strategy. *Evolution & Human Behavior*, 36(3), 199-205.

- Al-Shawaf, L., **Lewis, D.M.G.**, Alley, T.R., & Buss, D.M. (2015). Mating strategy, disgust, and food neophobia. *Appetite*, *85*, 30-35.
- Gilmore, J., Maher, M., **Lewis, D.M.G.**, Feldon, D., & Timmerman, B. (2015). Feeding two birds with one scone? The relationship between teaching and research for graduate students across the disciplines. *International Journal of Teaching and Learning in Higher Education*, *27*(1), 25-41.
- Al-Shawaf, L., & **Lewis, D.M.G.** (2013). Exposed intestines and contaminated cooks: Sex, stress, & satiation predict disgust sensitivity. *Personality and Individual Differences*, *54*, 698-702.
- Lewis, D.M.G.**, Al-Shawaf, L., Conroy-Beam, D.<sup>†</sup>, Asao, K., & Buss, D.M. (2012). Friends with benefits II: Mating activation in opposite-sex friendships as a function of sociosexual orientation and relationship status. *Personality and Individual Differences*, *53*, 622-628.
- Lewis, D.M.G.**, Easton, J.A., Goetz, C.D., & Buss, D.M. (2012). Exploitative male mating strategies: Personality, mating orientation, and relationship status. *Personality and Individual Differences*, *52*, 139-143.
- Goetz, C.D., Easton, J.A., **Lewis, D.M.G.**, & Buss, D.M. (2012). Sexual exploitability: observable cues and their link to sexual attraction. *Evolution & Human Behavior*, *33*, 417-426.
- Lewis, D.M.G.**, Conroy-Beam, D.<sup>†</sup>, Al-Shawaf, L., Raja, A.<sup>†</sup>, DeKay, T., & Buss, D.M. (2011). Friends with benefits: Ultimate functions and proximate psychology of same- and opposite-sex friendship. *Evolutionary Psychology*, *9*, 543-563.
- Lewis, D.M.G.** (2011). The sibling uncertainty hypothesis: Facial resemblance as a sibling recognition cue. *Personality and Individual Differences*, *51*, 969-974.
- Perilloux, C.\*, **Lewis, D.M.G.\***, Goetz, C.D.\*, Fleischman, D.S.\*, Easton, J.A.\*, Confer, J.C.\*, et al. (2010). Trade-offs, individual differences, and misunderstandings about evolutionary psychology. *American Psychologist*, *65*, 930-932.
- Confer, J.C.\*, Easton, J.A.\*, Fleischman, D.S.\*, Goetz, C.D.\*, **Lewis, D.M.G.\***, Perilloux, C.\*, et al. (2010). Evolutionary psychology: Controversies, questions, prospects, and limitations. *American Psychologist*, *65*, 110-126.

\* all authors contributed equally

<sup>†</sup> student co-author

## **MANUSCRIPTS RESUBMITTED FOR PUBLICATION**

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- Lewis, D.M.G.**, Al-Shawaf, L., Conroy-Beam, D., Asao, K., & Buss, D.M. (2015). Evolutionary psychology: A how-to guide. Manuscript resubmitted for publication.
- Lewis, D.M.G.**, Al-Shawaf, L., & Russell, E.M. (2015). The lumbar curvature hypothesis: discriminative tests. Manuscript invited for resubmission.

## **MANUSCRIPTS UNDER REVIEW**

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- Lewis, D.M.G.**, Al-Shawaf, L., Janiak, M., & Akunebu, S. (2015). Sexual jealousy and the androgen receptor (AR) gene. Manuscript under review.
- Al-Shawaf, L., **Lewis, D.M.G.**, & Buss, D.M. (2015). Experimentally inducing disgust reduces desire for short-term mating. Manuscript under review.

## **MANUSCRIPTS SUBMITTED FOR PUBLICATION**

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- Yilmaz, C., & **Lewis, D.M.G.** (2015). Does personality change within an hour? Either the answer is yes, or we have a measurement issue. Manuscript submitted for publication.

## **MANUSCRIPTS IN PREPARATION**

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- Lewis, D.M.G.** (2015). Not erotic, so neurotic? Mate value, infidelity, and neuroticism as an evolved response to social exclusion. Manuscript in preparation.
- Lewis, D.M.G.** (2015). The evolutionary psychology of sexual exploitation: Implications for preventing rape. Manuscript in preparation.
- Al-Shawaf, L., **Lewis, D.M.G.**, & Buss, D.M. (2015). Error management theory and the discovery of novel human biases. Manuscript in preparation.
- Gilmore, J., & **Lewis, D.M.G.** (2015). Supporting graduate student instructors' development as teachers: Quantitative findings from the first year of the graduate student instructor seminar. Manuscript in preparation.
- Li, N.P., & Tan, J.H., & **Lewis, D.M.G.** (2015.) The multi-dimensional mate value scale. Manuscript in preparation.
- Al-Shawaf, L., Buss, D.M., Chang, L., DeBruine, L., Kennair, L.E.O., **Lewis, D.M.G.\***, & Negredo, A.M. (2015). Women's anti-coercion psychology: Evidence from Norway, Spain, and China. Manuscript in preparation. \*Authors alphabetical

## **HONORS & AWARDS**

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- Most viewed researcher in Personality Psychology**  
*Research Gate, July 13-26, 2015 (5,376 publication views)*
- National Academy of Sciences Young Scientist Award Finalist**  
*Turkish National Academy of Sciences, 2015*
- Best Poster Award**  
*Society for Personality and Social Psychology, Graduate Student Committee, 2015*
- Dissertation Research Award**  
*Department of Psychology, The University of Texas at Austin, 2012-2013*
- NSF Graduate Fellowship**  
*National Science Foundation, 2010-2011*
- Most Outstanding Instructor**  
*Department of Psychology, The University of Texas at Austin, 2009*

## **Nationwide Course Mentor**

*The Johns Hopkins University, Center for Talented Youth, 2011-2015*

## **TEACHING EXPERIENCE**

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### **Bilkent University**

Ankara, Turkey, 2013–Present

#### *Courses:*

Advanced Research Methods & Statistics in Psychology I

Statistics and Research Methods in Psychology I

Statistics and Research Methods in Psychology II

Statistics I

Statistics II

Senior Thesis I

Senior Thesis II

Individual Differences and Personality

Mind in Evolution

#### **Assistant Professor**

- Prepare all lectures, discussion forums, readings, and exams
- Deliver hour-long, multimedia presentations and guide in-class and online discussions
- Oversee multiple teaching assistants and coordinate their class duties

### **The University of Texas at Austin**

Austin, TX, 2005–2013

#### *Courses:*

Statistical Methods in Psychology

Statistics and Research Design

Statistics in Health Care

Honors Research

Experimental Psychology

Evolutionary Psychology

Human Brain Imaging in Psychology

Seeing and Acting in a Virtual World

Modes of Reasoning

Psychology of Sex

Introduction to Child Psychology

Introduction to Psychology

#### **Instructor**

- Prepare all lectures, discussion forums, readings, and exams
- Deliver hour-long, multimedia presentations and direct in-class and online discussions
- Oversee multiple teaching assistants and coordinate their class duties

#### **Statistics Laboratory Instructor/Teaching Assistant**

- Develop and lead statistics laboratory to cultivate students' ability to design research studies, conduct experiments, statistically analyze data, and prepare reports for submission

### **Mentor**

- Intellectual Entrepreneurship (IE) Program
  - Advise and prepare interns to pursue graduate study
- Summer Undergraduate Research Experience (SURE) Program
  - Supervise summer-long, advanced undergraduate research internships

### **Graduate Student Instructor Development Specialist**

- The Center for Teaching and Learning
  - Provide presentations, workshops and individual consultations to advance graduate student instructors' pedagogical progress

### **The Johns Hopkins University**

Santa Cruz, CA, 2011-2015

#### *Center for Talented Youth*

Easton, PA, 2010

#### *Courses:*

Chestertown, MD, 2009

Foundations of Psychology

Chesapeake Bay Ecology

### **Course Instructor**

- Prepare all field labs, lectures, and practicals for accelerated courses in Psychology and Bay Ecology for high potential youth
- Direct multiple day-long, field labs to assess human impact on threatened sites
- Coordinate course and field logistics with academic dean and site director

### **Concordia University**

Austin, TX, 2007

#### *Course:*

Statistics for the Behavioral Sciences

### **Adjunct Faculty**

- Create curriculum, assignments, and exams for upper-level Statistics course
- Prepare and conduct lectures to develop mathematical and analytical skills

## **RESEARCH PRESENTATIONS**

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Al-Shawaf, L., **Lewis, D.M.G.**, & Buss, D. M. (2015). *Disgust and short-term mating*. Paper presented at the 5<sup>th</sup> International Society for Human Ethology Summer Institute, Athens, Greece.

**Lewis, D.M.G.**, Al-Shawaf, L., & Yilmaz, C. (2015, February). "O" for opportunistic mating: *The Openness-calibration hypothesis*. Poster presented at the 13<sup>th</sup> Annual Society for Personality and Social Psychology Evolutionary Psychology Preconference, Long Beach, CA.

\*Russell, E.M., Ta, V., **Lewis, D.M.G.**, & Ickes, W. (2015, February). *Why (and when) straight women trust gay men*. Poster presented at the 16<sup>th</sup> Annual Meeting of the Society for Personality and Social Psychology, Long Beach, CA.

\*Winner of Best Poster Award, Society for Personality and Social Psychology, Graduate Student Committee

- Lewis, D.M.G.**, Russell, E.M., Al-Shawaf, L., & Buss, D.M. (2014, February). *Lumbar curvature: A novel evolved attractiveness cue*. Paper presented at the 12<sup>th</sup> Annual Society for Personality and Social Psychology Evolutionary Psychology Preconference, Austin, TX.
- Al-Shawaf, L., **Lewis, D.M.G.**, & Buss, D.M. (2014, February). *Stoic short-term maters and disgusted monogamists: mating strategy predicts sexual disgust*. Paper presented at the 12<sup>th</sup> Annual Society for Personality and Social Psychology Evolutionary Psychology Preconference, Austin, TX.
- Gilmore, J., McGaskey, F., & **Lewis, D.M.G.** (2013, November). *Evaluation findings and lessons learned from the graduate student instructor seminar*. Paper presented at the 38<sup>th</sup> Annual Professional and Organizational Development Conference, Pittsburgh, PA.
- Al-Shawaf, L., & **Lewis, D.M.G.** (2013, August). *Down-regulated sexual disgust facilitates the pursuit of an uncommitted mating strategy*. Paper presented at the 4<sup>th</sup> International Society for Human Ethology Summer Institute, Ann Arbor, MI.
- Al-Shawaf, L., Buss, D.M., Chang, L., Kennair, L.E.O., **Lewis, D.M.G.**, Negredo, A. M., & DeBruine, L. (2013, July). *Women's anti-coercion psychology: Evidence from Norway, Spain, and China*. Poster accepted for presentation at the 25<sup>th</sup> Annual Meeting of the Human Behavior and Evolution Society, Miami, FL.
- Al-Shawaf, L., Buss, D.M., Chang, L., Kennair, L.E.O., **Lewis, D.M.G.**, Negredo, A. M., & DeBruine, L. (2013, June). *Women's anti-coercion psychology: Evidence from Norway, Spain, and China*. Poster accepted for presentation at the 7<sup>th</sup> Annual Meeting of the NorthEastern Evolutionary Psychology Society, Annville, PA.
- Lewis, D.M.G.**, & Buss, D.M. (2013, January). *Not erotic, so neurotic? Neuroticism as an evolved response to social exclusion*. Poster presented at the 14<sup>th</sup> Annual Meeting of the Society for Personality and Social Psychology, New Orleans, LA.
- Lewis, D.M.G.**, & Buss, D.M. (2013, January). *The perky butt hypothesis: Pregnancy, lumbar lordosis, and evolved standards of beauty*. Poster presented at the 11<sup>th</sup> Annual Society for Personality and Social Psychology Evolutionary Psychology Preconference, New Orleans, LA.
- Cloud, J.M., Al-Shawaf, L., Asao, K., Conroy-Beam, D., Easton, J.A., Goetz, C.D., **Lewis, D.M.G.**, & Buss, D.M. (2012, July). *The use and misuse of evolutionary psychology*. Paper presented at the 24<sup>th</sup> Annual Meeting of the Association for Psychological Science, Chicago, IL.
- Lewis, D.M.G.**, & Buss, D.M. (2012, June). *Not erotic, so neurotic? Men's mate value, sexual jealousy, and the reactive heritability of neuroticism*. Paper presented at the 24<sup>th</sup> Annual Meeting of the Human Behavior and Evolution Society, Albuquerque, NM.

- Al-Shawaf, L., & **Lewis, D.M.G.** (2012, June). *Exposed intestines and contaminated cooks: Sex, stress, and satiation interact to predict disgust sensitivity*. Paper presented at the 24<sup>th</sup> Annual Meeting of the Human Behavior and Evolution Society, Albuquerque, NM.
- Goetz, C.D., Easton, J.A., **Lewis, D.M.G.**, & Buss, D.M. (2012, June). *Sexual exploitability: Observable cues and their link to sexual attraction*. Paper presented at the 24<sup>th</sup> Annual Meeting of the Human Behavior and Evolution Society, Albuquerque, NM.
- Conroy-Beam, D., Asao, K., Al-Shawaf, L., **Lewis, D.M.G.**, & Buss, D.M. (2012, June). *One man's displeasure is another man's treasure: A model emotion by participant sex interaction in mate copying*. Poster presented at the 24<sup>th</sup> Annual Meeting of the Human Behavior and Evolution Society, Albuquerque, NM.
- Al-Shawaf, L., & **Lewis, D.M.G.** (2012, April). *Exposed intestines and contaminated cooks: Sex, stress, and satiation interact to predict disgust sensitivity*. Paper presented at the 6<sup>th</sup> Annual Meeting of the NorthEastern Evolutionary Psychology Society, Plymouth, NH.
- Lewis, D.M.G.**, Conroy-Beam, D., Raja, A., & Al-Shawaf, L. (2011, January). *Evolution and friendship: Same-sex instruments and opposite-sex mates*. Poster presented at the 9<sup>th</sup> Annual Society for Personality and Social Psychology Evolutionary Psychology Preconference, San Antonio, TX.
- Goetz, C.D., Easton, J.A., **Lewis, D.M.G.**, & Buss, D.M. (2011, January). *Cues to sexual exploitability*. Poster presented at the 9<sup>th</sup> Annual Society for Personality and Social Psychology Evolutionary Psychology Preconference, San Antonio, TX.
- Lewis, D.M.G.** (2010, June). Coalitions, mates, and friends: The evolutionary psychology of relationship preferences. Poster accepted for presentation at the 22<sup>nd</sup> Annual Meeting of the Human Behavior and Evolution Society, Eugene, OR.
- Lewis, D.M.G.** (2009, October). *Sibling uncertainty: Facial resemblance as an indicator of paternal sibship*. Poster presented at the 47<sup>th</sup> Annual Council for the Advancement of Science Writing's New Horizons in Science conference, Austin, TX.
- Scientific American* podcast:  
<http://www.scientificamerican.com/podcast/episode.cfm?id=are-your-siblings-really-your-sibli-09-11-24>
- Lewis, D.M.G.** (2009, May). *Sibling uncertainty: Facial resemblance as an indicator of paternal sibship*. Poster presented at the 21<sup>st</sup> Annual Meeting of the Human Behavior and Evolution Society, Fullerton, CA.

**Lewis, D.M.G.** (2009, April). *Sibling uncertainty: Facial resemblance as an indicator of paternal sibship*. Poster presented at The University of Texas at Austin Graduate Research Showcase, Austin, TX.

**Lewis, D.M.G.** (2009, February). *Sibling uncertainty: Facial resemblance as an indicator of paternal sibship*. Poster presented at the 7<sup>th</sup> Annual Society for Personality and Social Psychology Evolutionary Psychology Preconference, Tampa, FL.

**Lewis, D.M.G.** (2007, May). *Rape may be less frequent during the ovulatory phase of the menstrual cycle after all*. Poster presented at the 19<sup>th</sup> Annual Meeting of the Human Behavior and Evolution Society, Williamsburg, VA.

## **METHODOLOGICAL & STATISTICAL EXPERTISE**

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### **Research Methods:**

#### **Genotype fragment analysis**

- Androgen receptor gene
- Serotonin transporter gene

#### **Enzyme immunoassays**

- Salivary testosterone

#### **Photographic stimuli generation and analysis**

- Generate images and manipulate morphology in Adobe Photoshop
- Assess facial and corporal bony structure via NIH image analysis software

#### **Anthropometry**

- Fluctuating asymmetry
- Waist-to-hip ratio

#### **Dynamometry**

- Handgrip strength
- Chest strength

#### **Psychometrics**

- Construct, administer, and validate novel research instruments

#### **Web-based studies**

- Conduct large, internet-based studies using survey software servers

### **Statistics:**

#### **Analyses**

Hierarchical linear modeling (HLM)/Mixed-level modeling (MLM)

Structural Equation Modeling (SEM)

Path Analysis

Structural Regression

Confirmatory Factor Analysis

Bootstrapping & Simulation

Mediation analyses

Multiple regression

ANOVA

Chi-square

T-tests

Correlation



## Software

SPSS  
Mplus  
R  
MATLAB  
Minitab  
Excel

## INTERNATIONAL RESEARCH

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### *Turkey, 2013-Present*

Assistant Professorship in Psychology

Affiliation: *Assistant Professor*, Bilkent Üniversitesi, Psychology Department

Research Activities: Test evolutionary psychological hypotheses using genotype fragment analyses; hormonal assays; validated cognitive, emotional, attitudinal, and behavioral measures; and morphological and kinetic measurements. Construct, administer, and psychometrically assess new research instruments. Analyze empirical data using parametric and non-parametric statistical tests, including SEM, HLM, Bootstrapping, Regression, and ANOVA analyses. Design web-based studies that employ analytical tools from psychology, biology, and economics.

### *Chile, 2003*

Child nutrition education internship

Affiliation: *Intern*, Universidad de Chile, Peñalolén squatters' camp

Research Activities: Created nutritional outreach internship to promote nutrition education among homeless families by establishing primary point of contact at childcare site in squatters camp; assessed knowledge and understanding of health and nutrition concepts among families; led biweekly lessons on nutrition and hygiene basics to promote basic health among homeless families

### *Costa Rica, 2001*

Scarlet Macaw (*Ara macao*) conservation project

Affiliation: *Research Assistant*, University of Wisconsin, College of Agricultural and Life Sciences

Research Activities: Monitored and recorded Scarlet Macaw migratory patterns; taught multiple conservation ecology courses in Spanish at local rural middle and elementary schools; formally surveyed local residents to assess attitudes toward conservation efforts; led bilingual tours of Carara Biological Reserve

American crocodile (*Crocodylus acutus*) homing project, Carara Biological Reserve

Affiliation: *Research Assistant*, National Geographic Television

Research Activities: Assisted in crocodile baiting, capture, marking, and transport; Tracked crocodiles aquatic migration with radio transmitter

## RESEARCH SUPERVISION

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### *Principal Faculty Supervisor & Graduate Student Mentor*

- Supervise graduate and undergraduate honors and senior theses, including literature review, hypothesis generation, study design, data collection and analysis, interpretation of results, and preparation of research reports for submission to peer-refereed journals
- Formally mentor undergraduate students during semester-long research internships through PSYC 391 (Directed Research in Psychology), and the Intellectual Entrepreneurship (IE) and Summer Undergraduate Research Experience (SURE) programs

\*<sup>1</sup>Yilmaz, Cansu  
\*<sup>1</sup>Demirci, Ekin  
\*<sup>1</sup>Flores, Jonathon  
\*<sup>1</sup>Senveli, Zeynep  
Atasoy, Hande  
Kaya, Buse  
Koba, Cemal  
Kucukokuldan, Melike  
Sevi, Baris  
\*Bluestein, Meagan  
\*<sup>†</sup>Russell, Eric  
\*Perez, Ricardo  
\*Throgmorton, Kaitlin  
\*Seto, Elizabeth  
\*Greever, Lesley  
Garza, Daniel  
\*<sup>†</sup>Raja, Annia  
\*Praisner, Matt  
Butcher, David  
\*Patel, Priya  
\*Akunebu, Sarah  
\*Janiak, Mareike  
\*Flynn, Kaitlin  
Suarez, Gabriel  
\*Knypinski, Julia  
\*<sup>†</sup>Conroy-Beam, Daniel  
Collins, Alexander  
\*Gonzalez, Jarod  
\*Brown, Jason

<sup>1</sup> current graduate student

\* attended graduate or professional school

<sup>†</sup> co-author on peer-refereed manuscript

## **SERVICE**

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**Evolutionary Psychology Pre-Conference Co-Organizer**, *Society for Personality and Social Psychology*, 2015-Present

**Member of the Board of Reviewers**, *Journal of European Psychology Students*, 2012-Present

**Ad-Hoc Reviewer**, *Current Directions in Psychological Science*, *PLOS ONE*, *Social Cognition*, *Evolution & Human Behavior*, *Personality and Individual Differences*, *Evolutionary Psychology*, *Evolutionary Psychological Science*, *Social Science Journal*, *Journal of European Psychology Students*, *Journal of Social Psychology*, *New Ideas in Psychology*, 2009-Present

**National Science Foundation Resident Scientist**, Austin and Pflugerville Independent School Districts, Texas, 2010-2011

**Psychology Department representative**, Graduate Student Assembly, 2009-2010

**Bilingual Tutor**, Texas Blazers community service organization for underserved, at-risk youth, The University of Texas at Austin, Austin, TX, 2006-Present

**Teacher**, Peñalolén school for homeless children, Santiago, Chile, 2003

**Spanish Medical Translator**, Optometrists without Borders, Morelia, Mexico, 2001

## **LANGUAGES**

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Spanish (fluent); Portuguese (proficient); Turkish (beginner)

## **ADDITIONAL COMPETENCIES & CERTIFICATIONS**

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Certified SCUBA Divemaster (PADI)

Certified Personal Trainer (ACE)

Nike Training Club (NTC) Master Trainer

Certified Underwater Photographer (NAUI)