

CV/Resume
Joseph N. Mastron
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Education:

Expected 2019 Ph.D, Physical Chemistry, *University of Chicago*
2014 M.S, Physical Chemistry, *University of Chicago*
2013 B.S, Chemistry, Summa Cum Laude, *University of Southern California*
2011 A.A, Chemistry, A.A, Physics, A.A, Mathematics, Highest Honors, *Cerritos College*

Positions and Employment:

University of Chicago:

Research Assistant, 2014 – present, *Tokmakoff Group, Department of Chemistry, The James Franck Institute, and the Institute for Biophysical Dynamics*
Teaching Assistant, 2013 – 2014, *General Chemistry 101,102,113*

University of Southern California:

Photography Lab Tech, 2011 – 2013, *Roski School of Fine Arts*
Undergraduate Researcher, 2011 – 2013, *Bradforth Group, College Department of Chemistry*
Undergraduate Intern Researcher, 2010 – 2011, *Bradforth Group, College Department of Chemistry*

Cerritos College:

Student Tutor in Chemistry, 2010 – 2011, *Associated Student Center*
Student Worker, 2009 – 2011, *CTE Teacher TRAC Program*

Affiliations:

Academic:

American Chemical Society, Member, 2011 – present
Phi Theta Kappa Honor Society, Member, 2009 – present
Phi Beta Kappa Honor Society, Member, 2013 – present

University of Chicago:

The Committee on Graduate Education, Member, 2018 – 2019
Student Health Advisory Board, Member, 2017 – 2019
Graduate Council, Chair of Marketing Operations, 2017 – 2018, Ex Officio VP of Marketing 2018

University of Southern California:

USC Queer and Allied Student Assembly, Member, 2011 – 2013, Executive Board Member, 2012 – 2013
Center for Energy Nanoscience, Undergraduate Member, 2011 – 2013

Publications:

Joseph N. Mastron, Andrei Tokmakoff. Fourier Transform Fluorescence-Encoded Infrared Spectroscopy. *J. Phys. Chem. A*, **2018**, 122 (2), pp 554-562

Joseph N. Mastron, Andrei Tokmakoff. Two-Photon-Excited Fluorescence-Encoded Infrared Spectroscopy. *J. Phys. Chem. A*, **2016**, 120 (46), pp 9178–9187

Joseph N. Mastron, Sean T. Roberts, R. Eric McAnally, Mark E. Thompson, and Stephen E. Bradforth. Aqueous Colloidal Acene Nanoparticles: A New Platform for Studying Singlet Fission. *J. Phys. Chem. B*, **2013**, 117 (49), pp 15519-15526

Sean T. Roberts, R. Eric McAnally, Joseph N. Mastron, David H. Webber, Matthew T. Whited, Richard L. Brutchey, Mark E. Thompson, and Stephen E. Bradforth. Efficient Singlet Fission Discovered in a Disordered Acene Film. *J. Am. Chem. Soc.*, **2012**, 134 (14), pp 6388–6400

Sean T. Roberts, Cody W. Schlenker, Vincent Barlier, R. Eric McAnally, Yuyuan Zhang, Joseph N. Mastron, Mark E. Thompson, and Stephen E. Bradforth. Observation of Triplet Exciton Formation in a Platinum-Sensitized Organic Photovoltaic Device. *J. Phys. Chem. Lett.*, **2011**, 2 (2), pp 48–54

Awards and Honors:

- Academic Excellent Award in Chemistry, Cerritos College, 2010
- JPLUS Scholar Award, 2010
- Rose Hills Summer Fellowship (Rose Hills Foundation Summer Research Grant, 2012)
- Rose Hills Scholarship (School Year 2012-13)