

Eric Lybrand | Curriculum Vitae

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Education

University of California, San Diego <i>Ph.D. Mathematics</i>	San Diego, CA <i>2015–2020</i>
University of Georgia <i>B.Sc. Mathematics</i>	Athens, GA <i>2011–2015</i>

Previous Employment

University of California, San Diego <i>Academic Student Employee</i> Senior Teaching Assistant Graduate Teaching Assistant Junior Teaching Assistant CURE Graduate Research Assistant Graduate Student Researcher IPAM & NEC Corporation <i>Graduate Student Researcher</i>	San Diego, CA <i>October 2015–Present</i> <i>2018–2019</i> <i>2015–2018</i> <i>2017–2018</i> <i>Summer 2017</i> <i>Summer 2016</i> Sendai, Japan <i>Summer 2018</i>
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Technical Skills

Programming Languages: Python, Matlab, Mathematica, LaTeX
Other: Proficient Spanish speaker.

Professional Activities

UCSD Graduate Student Association Finance Committee Reviewer IEEE Statistical Signal Processing Workshop	<i>2017–2018</i>
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Awards and Honors

UCSD Senate Research Grant James B. Ax Graduate Fellowship Coursera Machine Learning Statement of Accomplishment Presidential Scholar Eagle Scout	<i>Spring 2017</i> <i>2015–2016</i> <i>2015</i> <i>2014–2015</i> <i>2008</i>
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Presentations

<i>Poster Presentation.</i> UCSD Mathematics Colloquium	<i>May 2018</i>
<i>Poster Presentation.</i> Seventh International Conference on Computational Harmonic Analysis	<i>May 2018</i>
<i>Compressed Sensing and Random Matrices.</i> UCSD Graduate Student Seminar	<i>January 2018</i>

<i>Deterministic Models for Topoisomerase II.</i> UCSD Graduate Student Seminar	<i>February 2017</i>
<i>An Introduction to the Calculus of Variations.</i> UGA Undergraduate Student Seminar	<i>April 2014</i>
<i>Understanding Topology via Differential Forms.</i> UGA Undergraduate Student Seminar	<i>January 2014</i>

Publications

- [1] H. Huang, T. Kemp, Y. Ling, X. Luo, E. Lybrand, R. Smith, and J. Wang. Random Matrices with Independent Diagonals. *preprint*.
- [2] E. Lybrand and R. Saab. Quantization for Low-Rank Matrix Recovery. *Information and Inference*, 2018.