



## ANH MARTINA NEUMAN

Website: <https://marsvoyage.github.io/Frontpage/>

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<b>OBJECTIVE</b>	<i>I'm a harmonic analyst by training. I'm interested in multiple principles but primarily in harmonic analysis, mathematical data science and additive combinatorics. I'm looking for a PostDoc position that allows me to continue to research in the said directions.</i>	
<b>EDUCATION</b>	<b>University of California, Berkeley</b> , Berkeley, CA 94720, USA <i>Doctor of Philosophy, Mathematics</i>	May 2018
	<b>University of California, UCLA</b> , UCLA, CA 90095, USA <i>Master of Arts, Mathematics</i> <i>Bachelor of Science, Mathematics</i>	
<b>SKILLS</b>	<b>Language:</b> Python <b>Computing:</b> Matlab <b>Web design:</b> HTML, CSS	
<b>KNOWLEDGE ACQUIRED</b>	Harmonic analysis, <i>through PhD training and research</i> Additive combinatorics, <i>through PhD training and self-teaching</i> Math data science, <i>through PostDoc training and self-teaching</i> Statistics, <i>through teaching</i> PDE, $C^*$ -algebra, <i>through grad education</i> Differential topology, Algebra, Linear algebra, <i>through undergrad education</i> Complex analysis, Discrete mathematics, <i>through teaching and undergrad education</i>	
<b>PAPERS</b>	<ul style="list-style-type: none"><li>• <a href="#">Functions of nearly maximal Gowers-Host-Kra norms on Euclidean spaces</a></li><li>• <a href="#">Sparse bounds on variational norms along monomial curves</a></li><li>• <a href="#">Anti-uniformity norms, anti-uniformity functions and their algebras on Euclidean spaces</a></li></ul>	
<b>TEACHING EXPERIENCE</b>	Calculus, <i>as a teaching assistant</i> , at UC Berkeley Discrete mathematics, <i>as a teaching assistant</i> , at UC Berkeley Complex analysis, <i>as an instructor</i> , at UC Berkeley Statistics, <i>as a teaching assistant</i> , at NYU Shanghai Linear algebra, <i>as a teaching assistant</i> , at NYU Shanghai	
<b>EMPLOYMENT &amp; POSITIONS</b>	Postdoc Fellow, NYU Shanghai Visiting Student Researcher, Caltech Dissertation Fellow, UC Berkeley Mentorship Research Fellow, UC Berkeley Graduate Student Researcher/Instructor, UC Berkeley Summer Instructor, UC Berkeley	
<b>AWARDS &amp; HONORS</b>	<b>Dissertation Fellowship Award</b> , UC Berkeley <b>Mentorship Research Award</b> , UC Berkeley <b>Teaching Excellence Award</b> , UC Berkeley <b>UCLA Math Daus Award</b> , UCLA <b>Magna Cum Laude Honor</b> , UCLA	

<b>SELECTED TALKS GIVEN</b>	<p><i>Gowers-Host-Kra structures on Euclidean spaces</i>, Georgia Tech Analysis Seminar, Georgia Tech, 2018</p> <p><i>Decouplings for surfaces in <math>\mathbb{R}^4</math></i>, Hausdorff Summer School for Mathematics, Kopp, 2017</p> <p><i>Universally <math>L^1</math> bad sequences</i> Hades Seminar, UC Berkeley, 2016</p> <p><i>A Calderón-Zygmund decomposition for multiple frequencies and an application to an extension of a lemma of Bourgain</i>; HADES Seminar, UC Berkeley, 2014</p>
<b>SELECTED CONFERENCES &amp; WORKSHOPS &amp; SEMINARS</b>	<p><b>Networks seminars</b>, NYU Shanghai, 2018-2019</p> <p><b>Tripods Summer School - Fundamentals of Data Analysis</b>, IFDS Wisconsin, 2018</p> <p><b>IMI Symposium on Additive Combinatorics</b>, University of South Carolina, 2017</p> <p><b>PCMI Summer Session in Harmonic Analysis</b>, Park City, Utah, 2018</p> <p><b>AIM Workshop on Sparse Domination and Singular Integral Operators</b>, AIM, San Jose, 2017</p> <p><b>Decoupling and Polynomial Methods in Analysis Summer School</b>, Hausdorff Center for Mathematics, Kopp, 2017</p> <p><b>Conference in Harmonic Analysis and Its Interaction: in Honor of Anthony Carbery</b>, ICMS, Edinburgh, Scotland, 2017</p> <p><b>Chicago Analysis Summer School</b>, University of Chicago, 2017</p> <p><b>Conference on Dynamical Systems: Smooth, Symbolic and Measurable</b>, MRC Snowbird Resort, Utah, 2017</p> <p><b>Calculus of Variations and Nonlinear PDE Mini-schools</b>, UC Berkeley, 2017</p> <p><b>Recent Developments in Harmonic Analysis Workshop</b>, MSRI, Berkeley, 2017</p> <p><b>Global Research Symposium in Geometry, Analysis and Probability</b>, KIAS, South Korea, 2017</p> <p><b>Joint Analytic Number Theory and Harmonic Analysis Program</b>, MSRI, Berkeley, 2017</p> <p><b>Harmonic Analysis and Geometry of Fractal Sets</b>, Ohio State University, 2017</p> <p><b>Conference in Harmonic Analysis in Honor of Michael Christ</b>, University of Wisconsin, 2016</p>
<b>OTHER ACTIVITIES</b>	<p><b>Geometry of Redistricting Workshop - Educator Training Track</b>, University of San Francisco, 2018</p> <p><b>UCLA Applied Math REU Program</b>, UCLA, 2010</p>