



## ANH MARTINA NEUMAN

Github-site: <https://marsvoyage.github.io/Frontpage/>

[marsneuman@gmail.com](mailto:marsneuman@gmail.com)

<b>CITIZENSHIP &amp; LOCATION</b>	<i>I'm a USA citizen who temporarily visits Osaka, Japan. I feel that this information should be shared during this special period.</i>
<b>OBJECTIVE</b>	<i>I'm a harmonic analyst by training. I'm interested in multiple principles but primarily in any combination/intersection between harmonic analysis, mathematical data science, additive combinatorics and geometry. I'm looking for a PostDoc position that allows me to develop myself in this direction.</i>
<b>TRAITS</b>	<i>Highly independent - have only been first author - and a fast learner; willing to work, and in fact, do, in long hours</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>PUBLISHED</b>	<a href="#">Functions of Nearly Maximal Gowers-Host-Kra Norms on Euclidean Spaces</a>
<b>UNDER REVIEW</b>	<a href="#">Sparse Bounds On Variational Norms Along Monomial Curves</a>
<b>RECENT</b>	<ul style="list-style-type: none"><li>• <a href="#">The Pyramid Averaging Operator</a></li><li>• <a href="#"><math>L^2 \times L^2 \times L^2 \rightarrow L^{2/3}</math> Boundedness for Trilinear Multiplier Operator</a></li><li>• <a href="#">Anti-Uniformity Norms, Anti-Uniformity Functions and Their Algebras on Euclidean Spaces</a></li></ul>
<b>OTHER WRITINGS</b>	<a href="#">Blog on Math Data Science</a>

<b>REFERENCES</b>	<p>Prof Michael Christ, UC Berkeley, <i>mchrist@math.berkeley.edu</i>  Prof Michael Lacey, Georgia Tech, <i>lacey@math.gatech.edu</i>  Prof Bryna Kra, Northwestern University, <i>kra@math.northwestern.edu</i>  Prof Craig Evans, UC Berkeley, <i>evans@math.berkeley.edu</i>  Prof Daniel Tataru, UC Berkeley, <i>tataru@math.berkeley.edu</i>  Prof Jon Wilkenning, UC Berkeley, <i>wilkenning@math.berkeley.edu</i> (teaching + research)  Assist. Prof Moumanti Podder, NYU Shanghai, <i>mp3460@nyu.edu</i> (teaching)  Assist. Prof Mihaela Ifrim, UWisconsin-Madison, <i>ifrim@math.wisc.edu</i> (teaching)</p>
<b>TEACHING EXPERIENCE</b>	<p>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</p>
<b>EMPLOYMENT &amp; POSITIONS</b>	<p>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</p>
<b>AWARDS &amp; HONORS</b>	<p>Dissertation Fellowship Award, UC Berkeley  Mentorship Research Award, UC Berkeley  Teaching Excellence Award, UC Berkeley  UCLA Math Daus Award, UCLA  Magna Cum Laude Honor, UCLA</p>
<b>SELECTED TALKS GIVEN</b>	<p><i>Gowers-Host-Kra structures on Euclidean spaces</i>, Georgia Tech Analysis Seminar, Georgia Tech, 2018  <i>Decouplings for surfaces in <math>\mathbb{R}^4</math></i>, Hausdorff Summer School for Mathematics, Kopp, 2017  <i>Universally <math>L^1</math> bad sequences</i> Hades Seminar, UC Berkeley, 2016  <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>Networks seminars, NYU Shanghai, 2018-2019  Tripods Summer School - <b>Fundamentals of Data Analysis</b>, IFDS Wisconsin, 2018  IMI Symposium on Additive Combinatorics, University of South Carolina, 2017  PCMI Summer Session in Harmonic Analysis, Park City, Utah, 2018  AIM Workshop on Sparse Domination and Singular Integral Operators, AIM, San Jose, 2017  Decoupling and Polynomial Methods in Analysis Summer School, Hausdorff Center for Mathematics, Kopp, 2017  Conference in Harmonic Analysis and Its Interaction: in Honor of Anthony Carbery, ICMS, Endinburgh, Scotland, 2017  Chicago Analysis Summer School, University of Chicago, 2017  Conference on Dynamical Systems: Smooth, Symbolic and Measurable, MRC Snowbird Resort, Utah, 2017  Calculus of Variations and Nonlinear PDE Mini-schools, UC Berkeley, 2017  Recent Developments in Harmonic Analysis Workshop, MSRI, Berkeley, 2017  Global Research Symposium in Geometry, Analysis and Probability, KIAS, South Korea, 2017</p>

**Joint Analytic Number Theory and Harmonic Analysis Program**, MSRI, Berkeley, 2017

**Harmonic Analysis and Geometry of Fractal Sets**, Ohio State University, 2017

**Conference in Harmonic Analysis in Honor of Michael Christ**, University of Wisconsin, 2016

**OTHER  
ACTIVITIES**

**Geometry of Redistricting Workshop - Educator Training Track**, University of San Francisco, 2018

**UCLA Applied Math REU Program**, UCLA, 2010