



ANH MARTINA NEUMAN

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

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CITIZENSHIP & LOCATION	<i>I'm a USA citizen who temporarily visits Osaka, Japan. I feel that this information should be shared during this special period.</i>
OBJECTIVE	<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>
TRAITS	<i>Highly independent - have only been first author - and a fast learner; willing to work, and in fact, do, in long hours</i>
EDUCATION	University of California, Berkeley , Berkeley, CA 94720, USA <i>Doctor of Philosophy, Mathematics</i> May 2018 University of California, UCLA , UCLA, CA 90095, USA <i>Master of Arts, Mathematics</i> <i>Bachelor of Science, Mathematics</i>
SKILLS	Language: Python Computing: Matlab Web design: HTML, CSS
KNOWLEDGE ACQUIRED	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>
FEATURE PAPERS	<ul style="list-style-type: none">• Functions of nearly maximal Gowers-Host-Kra norms on Euclidean spaces• Sparse bounds on variational norms along monomial curves• The pyramid operator
REFERENCES	Prof Michael Christ , UC Berkeley, mchrist@math.berkeley.edu Prof Michael Lacey , Georgia Tech, lacey@math.gatech.edu Prof Bryna Kra , Northwestern University, kra@math.northwestern.edu Prof Craig Evans , UC Berkeley, evans@math.berkeley.edu Prof Daniel Tataru , UC Berkeley, tataru@math.berkeley.edu Prof Jon Wilkenning , UC Berkeley, wilkenning@math.berkeley.edu (teaching) Assist. Prof Moumanti Podder , NYU Shanghai, mp3460@nyu.edu (teaching) Assist. Prof Mihaela Ifrim , UWisconsin-Madison, ifrim@math.wisc.edu (teaching)
TEACHING EXPERIENCE	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

EMPLOYMENT & POSITIONS	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
AWARDS & HONORS	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
SELECTED TALKS GIVEN	<i>Gowers-Host-Kra structures on Euclidean spaces</i> , Georgia Tech Analysis Seminar, Georgia Tech, 2018 <i>Decouplings for surfaces in \mathbb{R}^4</i> , Hausdorff Summer School for Mathematics, Kopp, 2017 <i>Universally L^1 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
SELECTED CONFERENCES & WORKSHOPS & SEMINARS	Networks seminars, NYU Shanghai, 2018-2019 Tripods Summer School - Fundamentals of Data Analysis , 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 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