



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
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**

Gowers-Host-Kra structures on Euclidean spaces, Georgia Tech Analysis Seminar, Georgia Tech, 2018
Decouplings for surfaces in \mathbb{R}^4 , Hausdorff Summer School for Mathematics, Kopp, 2017
Universally L^1 bad sequences Hades Seminar, UC Berkeley, 2016
A Calderón-Zygmund decomposition for multiple frequencies and an application to an extension of a lemma of Bourgain; 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, Edinburgh, 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