

# Pablo Shmerkin

Av. Figueroa Alcorta 7350  
Buenos Aires (1428)  
Argentina

☎ +54 (11) 5169 7000

✉ pshmerkin@utdt.edu

🌐 [www.utdt.edu/profesores/pshmerkin](http://www.utdt.edu/profesores/pshmerkin)

## Posiciones Académicas

### Actuales

08/2013– Presente **Profesor Asociado**, *Universidad T. Di Tella*, Buenos Aires.  
Posición con Tenure

06/2014– Presente **Investigador Adjunto**, *CONICET*, Buenos Aires.

### Pasadas

01–05/2013 **Research Associate II**, *Department of Mathematics, University of Surrey*, Reino Unido.

2011–2012 **Leverhulme Early Career Fellow**, *Department of Mathematics, University of Surrey*, Reino Unido.

2008–2011 **Research Associate**, *School of Mathematics and Centre for Interdisciplinary Computational and Dynamical Analysis, University of Manchester*, Reino Unido.

08–12/2008 **Research Member**, *Mathematical Sciences Research Institute*, Berkeley, EEUU.  
Programa “Ergodic Theory and additive combinatorics”

2006–2008 **Postdoctoral Researcher**, *Universidad de Jyväskylä*, Finlandia.

## Educación

2001–2006 **PhD (Doctorado) en Matemática**, *University of Washington*, Seattle,  
*Promedio: 3.96/4.*

Director: B. Solomyak. Título de la tesis: “The structure of overlapping self-affine sets”

1995–2001 **Licenciado en Ciencias Matemáticas**, *Universidad de Buenos Aires*,  
*Promedio: 9.76/10.*

Directora: U. Molter

## Intereses de Investigación

- Conexiones amplias entre Teoría Geométrica de la Medida, Teoría Ergódica, Análisis Armónico, Combinatoria y Probabilidades
- Interacciones entre Geometría Fractal y Teoría Ergódica. Aspectos Geométricos del fenómeno de *Measure Rigidity*. Propiedades geométricas (proyecciones, sumas aritméticas, intersecciones) de fractales de origen dinámico y aritmético.
- Fractales y multifractales auto-similares y auto-afines. CP-Chains y otros procesos de magnificación.
- Teoría de la dimensión en sistemas dinámicos, repulsores no-conformes, formalismo termodinámico, productos aleatorios de matrices.

- Patrones aritméticos y geométricos en fractales. Conexiones con análisis armónico y combinatoria aditiva. Conjuntos de tipo Kakeya y Furstenberg. Conjuntos de distancias y otras configuraciones relacionadas.

## Publicaciones

### Artículos Aceptados y Publicados

- [1] Pablo Shmerkin. A modified multifractal formalism for a class of self-similar measures with overlap. *Asian J. Math.*, 9(3):323–348, 2005.
- [2] Pablo Shmerkin. Overlapping self-affine sets. *Indiana Univ. Math. J.*, 55(4):1291–1331, 2006.
- [3] Pablo Shmerkin and Boris Solomyak. Zeros of  $\{-1, 0, 1\}$  power series and connectedness loci for self-affine sets. *Experiment. Math.*, 15(4):499–511, 2006.
- [4] Antti Käenmäki and Pablo Shmerkin. Overlapping self-affine sets of Kakeya type. *Ergodic Theory Dynam. Systems*, 29(3):941–965, 2009.
- [5] Yuval Peres and Pablo Shmerkin. Resonance between Cantor sets. *Ergodic Theory Dynam. Systems*, 29(1):201–221, 2009.
- [6] Andrew Ferguson, Thomas Jordan, and Pablo Shmerkin. The Hausdorff dimension of the projections of self-affine carpets. *Fund. Math.*, 209(3):193–213, 2010.
- [7] Thomas Jordan, Pablo Shmerkin, and Boris Solomyak. Multifractal structure of Bernoulli convolutions. *Math. Proc. Cambridge Philos. Soc.*, 151(3):521–539, 2011.
- [8] Pablo Shmerkin. Porosity, dimension, and local entropies: a survey. *Rev. Un. Mat. Argentina*, 52(2):81–103, 2011.
- [9] Ida Arhosaló, Esa Järvenpää, Maarit Järvenpää, Michał Rams, and Pablo Shmerkin. Visible parts of fractal percolation. *Proc. Edinb. Math. Soc. (2)*, 55(2):311–331, 2012.
- [10] Michael Hochman and Pablo Shmerkin. Local entropy averages and projections of fractal measures. *Ann. of Math. (2)*, 175(3):1001–1059, 2012.
- [11] Fedor Nazarov, Yuval Peres, and Pablo Shmerkin. Convolutions of Cantor measures without resonance. *Israel J. Math.*, 187:93–116, 2012.
- [12] Pablo Shmerkin. The dimension of weakly mean porous measures: a probabilistic approach. *Int. Math. Res. Not. IMRN*, (9):2010–2033, 2012.
- [13] Tuomas Sahlsten, Pablo Shmerkin, and Ville Suomala. Dimension, entropy and the local distribution of measures. *J. Lond. Math. Soc. (2)*, 87(1):247–268, 2013.
- [14] De-Jun Feng and Pablo Shmerkin. Non-conformal repellers and the continuity of pressure for matrix cocycles. *Geom. Funct. Anal.*, 24(4):1101–1128, 2014.
- [15] Ignacio Garcia and Pablo Shmerkin. On packing measures and a theorem of Besicovitch. *Proc. Amer. Math. Soc.*, 142(8):2661–2669, 2014.
- [16] Pablo Shmerkin. On the exceptional set for absolute continuity of Bernoulli convolutions. *Geom. Funct. Anal.*, 24(3):946–958, 2014.

- [17] Michael Hochman and Pablo Shmerkin. Equidistribution from fractal measures. *Invent. Math.*, 202(1):427–479, 2015.
  - [18] Antti Käenmäki, Tuomas Sahlsten, and Pablo Shmerkin. Dynamics of the scenery flow and geometry of measures. *Proc. Lond. Math. Soc.* (3), 110(5):1248–1280, 2015.
  - [19] Antti Käenmäki, Tuomas Sahlsten, and Pablo Shmerkin. Structure of distributions generated by the scenery flow. *J. Lond. Math. Soc.* (2), 91(2):464–494, 2015.
  - [20] Pablo Shmerkin and Ville Suomala. Sets which are not tube null and intersection properties of random measures. *J. Lond. Math. Soc.* (2), 91(2):405–422, 2015.
  - [21] Jonathan M. Fraser and Pablo Shmerkin. On the dimensions of a family of overlapping self-affine carpets. *Ergodic Theory Dynam. Systems*, 36(8):2463–2481, 2016.
  - [22] Daniel Galicer, Santiago Saglietti, Pablo Shmerkin, and Alexia Yavicoli.  $L^q$  dimensions and projections of random measures. *Nonlinearity*, 29(9):2609–2640, September 2016.
  - [23] Pablo Shmerkin and Boris Solomyak. Absolute continuity of complex Bernoulli convolutions. *Math. Proc. Cambridge Philos. Soc.*, 161(3):435–453, 2016.
  - [24] Pablo Shmerkin and Boris Solomyak. Absolute continuity of self-similar measures, their projections and convolutions. *Trans. Amer. Math. Soc.*, 368(7):5125–5151, 2016.
  - [25] Ian D. Morris and Pablo Shmerkin. On equality of Hausdorff and affinity dimensions, via self-affine measures on positive subsystems. *Trans. Amer. Math. Soc.*, In press, 2017. arXiv:1602.08789v3.
  - [26] Pablo Shmerkin. On distance sets, box-counting and Ahlfors-regular sets. *Discrete Analysis*, 9:22p, 2017.
  - [27] Pablo Shmerkin. Salem sets with no arithmetic progressions. *Int. Math. Res. Not. IMRN*, (7):1929–1941, 2017.
  - [28] Tamás Keleti, Dániel T. Nagy, and Pablo Shmerkin. Squares and their centers. *J. Anal. Math.*, 134(2):643–669, 2018.
  - [29] Carolina A. Mosquera and Pablo Shmerkin. Self-similar measures: asymptotic bounds for the dimension and Fourier decay of smooth images. *Ann. Acad. Sci. Fenn. Math.*, In press, 2018. arXiv:1710.06812.
  - [30] Eino Rossi and Pablo Shmerkin. Hölder coverings of sets of small dimension. *J. Fractal Geom.*, In press, 2018. arXiv:1702.01130v3.
  - [31] Pablo Shmerkin. On Furstenberg’s intersection conjecture, self-similar measures, and the  $L^q$  norms of convolutions. *Ann. of Math.*, Accepted for publication, 2018. arXiv:1609.07802.
  - [32] Pablo Shmerkin and Ville Suomala. Patterns in random fractals. *Amer. J. Math.*, Accepted for publication, 2018. arXiv:1703.09553.
- Preprints**
- [1] Pablo Shmerkin Santiago Saglietti and Boris Solomyak. Absolute continuity of non-homogeneous self-similar measures. Preprint, arXiv:1709.05092, 2017.

- [2] Pablo Shmerkin. On the Hausdorff dimension of pinned distance sets. Preprint, arXiv:1706.00131, 2017.
- [3] Tamás Keleti and Pablo Shmerkin. New bounds on the dimensions of planar distance sets. Preprint, arXiv:1801.08745, 2018.

### Capítulos de Libros por Invitación

- [1] Jörg Schmeling and Pablo Shmerkin. On the dimension of iterated sumsets. In *Recent developments in fractals and related fields*, Appl. Numer. Harmon. Anal., pages 55–72. Birkhäuser Boston, Inc., Boston, MA, 2010.
- [2] Pablo Shmerkin. Self-affine sets and the continuity of subadditive pressure. In *Geometry and analysis of fractals*, volume 88 of *Springer Proc. Math. Stat.*, pages 325–342. Springer, Heidelberg, 2014.
- [3] Pablo Shmerkin. Projections of self-similar and related fractals: a survey of recent developments. In Christoph Bandt, Kenneth J. Falconer, and Martina Zähle, editors, *Fractal Geometry and Stochastics V*, pages 53–74. Springer, 2015.
- [4] Pablo Shmerkin and Ville Suomala. A class of random cantor measures, with applications. In Julien Barral and Stéphane Seuret, editors, *Recent Developments in Fractals and Related Fields*, Trends in Mathematics, pages 233–260. Birkhäuser, 2017.

---

## Premios y Otros Honores

### Investigación

- 07/2017 **Premio “Mathematical Council of the Americas”, II Mathematical Congress of the Americas**, Montréal, Canadá.  
<https://mca2017.org/program/prize-recipient>
- 07/2016 **Premio UMALCA, V Congreso Latinoamericano de Matemáticos**, Barranquilla, Colombia.  
<https://www.uninorte.edu.co/web/vclam-en/umalcaprizewinners>

### Como estudiante

- 2001–2004 **Microsoft Scholar Award**, *University of Washington*.
- 2001 **Birnbaum Academic Excellence Award**, *University of Washington*.
- 2001 **Primer premio en el Concurso de Monografías Matemáticas**, *Unión Matemática Argentina*.  
Tema: “El teorema ergódico”
- 2000–2001 **Beca para estudiantes avanzados de Licenciatura**, *Fundación Antorchas*.

### Olimpiadas Matemáticas

- 1995 **Medalla de Bronce**, *Asia-Pacific Mathematical Olympiad*.
- 1994 **Medalla de Oro**, *Olimpiada Iberoamericana de Matemática*, Fortaleza, Brasil.
- 1994 **Medalla de Oro**, *Asia-Pacific Mathematical Olympiad*.
- 1994 **Miembro del Equipo Argentino**, *International Mathematical Olympiad*, Hong Kong.

---

## Presentaciones Invitadas y Plenarias en Congresos Internacionales

- 10/2018 **Fractal Geometry and Stochastics VI**, Bad Herrenalb, Alemania.  
*New bounds on the dimensions of planar distance sets*

- 06/2018 **Geometric Measure Theory and its Connections**, Universidad de Helsinki, Finlandia.  
*Recent progress on the dimensions of planar distance sets*
- 09/2017 **Clay Research Conference, Workshop "Ergodic theory: Numbers, Fractals, and Geometry"**, Universidad de Oxford, Reino Unido.  
*Furstenberg's Intersection Conjecture*
- 08/2017 **Workshop on Fractals II**, Universidad Hebrea de Jerusalén, Israel.  
*Distance sets of sets of equal Hausdorff and packing dimension*
- 07/2017 **II Mathematical Congress of the Americas, MCA Prize Lecture**, Montréal, Canada.  
*Expansions in bases 2 and 3: old conjectures and new results*
- 02/2017 **Harmonic Analysis and Geometry of Fractal sets**, Ohio State University, EEUU.  
*Furstenberg's intersection conjecture and the  $L^q$  norms of convolutions*
- 12/2016 **Primer Encuentro Conjunto UMA-SOMACHI**, Valparaiso, Chile, Charla semi-plenaria.  
*Recent progress on Bernoulli convolutions*
- 12/2016 **Information and Randomness 2016**, Santiago, Chile.  
*Furstenberg's conjecture on intersections of Cantor sets and self-similar measures*
- 07/2016 **V Congreso Latinoamericano de Matemáticos**, Barranquilla, Colombia, UMALCA Prize Lecture.  
*Multiplying by 2 and by 3*
- 03/2016 **Fractal Geometry, Hyperbolic Dynamics and Thermodynamical Formalism**, ICERM, Providence, EEUU.  
*New criteria for equality of Hausdorff and affinity dimensions, via self-affine measures on positive subsystems*
- 10/2015 **Ergodic Theory, Fractals, and Groups**, Institute for Advanced Study, Jerusalén, Israel.  
*Geometric problems at the intersection of fractal geometry and ergodic theory*
- 09/2015 **Fractals and Related Fields 3**, Porquerolles, Francia.  
*Absolute continuity in families of self-similar and related measures*
- 06/2014 **Workshop on Fractals**, Universidad Hebrea de Jerusalén, Israel.  
*Projections of self-similar sets and measures, and their products*
- 07/2013 **Thermodynamical Formalism and Applications**, Pontificia Universidad Católica, Santiago, Chile.  
*Continuity of subadditive pressure for matrix products*
- 03/2013 **Numbers in Ergodic Theory**, University of Leiden, Holanda.  
*Normal numbers and fractal measures*
- 12/2012 **Advances on Fractals and Related Topics**, Chinese University of Hong Kong.  
*Continuity of subadditive pressure*
- 10/2012 **LXI Dynamical Systems Colloquium**, Universidad Austral de Chile, Valdivia, Chile.  
*Equidistribution from fractal measures*
- 10/2011 **Workshop on Dynamical Systems**, Universidade Federal da Bahia, Brasil.  
*Resonance, dissonance, and non-commutative Rudolph-Johnson-Host phenomena*
- 06/2011 **Ergodic Methods in the Theory of Fractals**, Kent State University, EEUU.  
*Local entropy averages in Geometric Measure Theory*

- 06/2011 **Fractals and Related Fields 2**, Porquerolles, Francia.  
*Sets which are not tube-null and projections of fractal measures*
- 04/2011 **Workshop on Dynamical Systems and Dimension**, Universidad de Warwick, Reino Unido.  
*The dimension of projections and convolutions, and a variant of Marstrand's Projection Theorem*
- 10/2010 **Fractals in deterministic and random dynamics**, Mathematics Institute of the Polish Academy of Sciences, Varsovia, Polonia.  
*Scaling fractal processes: an overview and some recent applications*
- 07/2009 **First Pacific Rim Mathematical Association Congress**, Sesión "Dynamical Systems", Sydney, Australia.  
*The dimension of projections via local entropy averages*
- 09/2008 **IV Conference on Fractal Geometry and Stochastics**, Greifswald, Alemania.  
*Self affine sets in the plane: dimensions, overlaps and orthogonal projections*
- 12/2007 **Fractal geometry and dynamics II**, Varsovia, Polonia.  
*Resonance and rigidity of self-similar sets*
- 07/2006 **The 21th Summer Conference on Topology and Applications**, Georgia Southern University, EEUU.  
*Self-affine sets of Kakeya type*

## Seminarios, Coloquios, Mini-cursos

Más de 50 presentaciones en seminarios académicos, coloquios, y programas temáticos. Presentaciones selectas:

- 10/2017 **Instituto Mittag-Leffler**, Programa "Fractal Geometry and Dynamics", Suecia.  
*New results on the dimensions of distance sets*
- 09/2015 **Université Paris 12**, Seminario de Teoría Ergódica y Sistemas Dinámicos, Francia.  
*Equidistribution from fractal measures*
- 03/2013 **Universidad de St Andrews**, Pure Mathematics Colloquium, Reino Unido.  
*On sets containing circles/squares around every point*
- 02/2013 **Cambridge University**, Discrete Analysis Seminar, Reino Unido.  
*Normal numbers and fractal measures*
- 11/2012 **Hebrew University of Jerusalem**, Ergodic Theory Seminar, Israel.  
*Continuity of subadditive pressure*
- 11/2012 **Oxford University**, Functional Analysis Seminar, Reino Unido.  
*Normal numbers and fractal measures*
- 03/2012 **Imperial College London**, Dynamical Systems Seminar, Reino Unido.  
*Continuity of subadditive pressure*
- 08/2010 **Instituto de Matemática Pura e Aplicada (IMPA)**, Dynamical Systems Seminar, Brazil.  
*Local entropy averages and projections of fractal measures*
- 03/2010 **Princeton University**, Ergodic Theory and Statistical Mechanics Seminar, EEUU.  
*The dimension of self-affine sets: past, present and future*
- 04/2008 **Chinese University of Hong Kong**, Seminar of the Department of Mathematics.  
*Sums of Cantor sets*

**Mini-cursos dictados:**

- 08/2017 **Universidad de Buenos Aires**, *CIMPA School on Harmonic Analysis, Geometric Measure Theory and Applications*, Buenos Aires, Argentina.  
From additive combinatorics to geometric measure theory
- 02/2016 **ICERM**, *Programa Temático "dimension and dynamics"*, Providence, EEUU.  
A class of random Cantor measures, with applications
- 09/2015 **Université Paris-Est Créteil**, Paris, France.  
Projections of self-similar sets and measures
- 08/2015 **Jyväskylä Summer school**, Finlandia.  
Bernoulli convolutions

## Estudiantes de doctorado y Postdocs

### Estudiantes de Doctorado

- 2014–Presente **Andrea Olivo**, *Universidad de Buenos Aires*.  
Becaria doctoral CONICET

### Becarios postdoctorales dirigidos y co-dirigidos

- 2016–2018 **Eino Rossi**, *Universidad T. Di Tella*.  
Becario postdoctoral CONICET
- 2015–2017 **Carolina Mosquera**, *Universidad de Buenos Aires*.  
Becario postdoctoral CONICET
- 2014–2016 **Santiago Saglietti**, *Universidad de Buenos Aires*.  
Becario postdoctoral CONICET

### Participación en comités doctorales

- 2017 **M. Fernanda Barrozo**, *Univ. Nacional de San Luis*, Argentina, Directora: U. Molter.  
Miembro del comité doctoral
- 2016 **Helena Peña**, *Universidad de Greifswald*, Alemania, Director: C. Bandt.  
Evaluador externo
- 2016 **Cristian Scarola**, *Universidad de Buenos Aires*, Argentina, Director: J.P. Pinasco.  
Miembro del comité doctoral
- 2015 **Kyle Hambrook**, *University of British Columbia*, Canadá, Directora: I. Laba.  
Evaluador externo

## Subsidios y financiamiento

### Subsidios de investigación

- 10/2017–  
10/2020 **PICT-Equipos de reciente formación**, *Agencia nacional de promoción Científica y Tecnológica*, \$351,000 (total para el grupo).  
Investigador Principal
- 02/2017–  
02/2019 **PIP**, *CONICET*, \$ 675,000 (total para el grupo).  
Investigador
- 01/2016–  
10/2017 **PICT**, *Agencia nacional de promoción Científica y Tecnológica*, \$500,000 (total para el grupo).  
Investigador
- 09/2014–  
09/2016 **PICT-Jóvenes**, *Agencia nacional de promoción Científica y Tecnológica*, \$80,000.  
Investigador Principal

- 10/2012–10/2015 **PICT-Raices**, *Agencia nacional de promoción Científica y Tecnológica*, \$300,000 (total para el grupo).  
Investigador Argentino en el Exterior
- 05/2011–04/2013 **Early Career Fellowship**, *Leverhulme Trust*, 41,000 Libras Esterlinas (contribución salarial y fondos de investigación).
- Subsidios para viajes**
- 09/2011 **Beca “Cesar Milstein”**, *Proyecto Raices, Mincyt, Argentina*, \$ 13,392.  
Subsidio para visita académica y dictado de curso en la Univ. Nacional de Mar del Plata
- 07-08/2010 **Beca “Cesar Milstein”**, *Proyecto Raices, Mincyt, Argentina*, \$ 14,000.  
Subsidio para visita académica y dictado de curso en la Univ. de Buenos Aires
- 07/2009 **Travel Grant**, *Royal Society, Reino Unido*, 1,800 Libras Esterlinas.  
Subsidio para asistir a *First PRIMA congress of Mathematicians, Sydney, Julio 2009*
- 08–12/2008 **Mathematical Sciences Research Institute (MSRI)**, *National Science Foundation (EEUU)*, 10,600 dólares.  
Programa “Ergodic Theory and Additive Combinatorics”

## Servicio

### Comités editoriales

- Desde 12/2017 **Journal of Fractal Geometry**.
- Desde 01/2018 **Revista de la Unión Matemática Argentina**.

### Organización de Congresos Internacionales

- 10/2017 **Arbeitsgemeinschaft (grupo de trabajo) en Instituto Oberwolfach**, Oberwolfach, Alemania, co-organizador, en conjunto con E. Breuillard y M. Hochman.  
Tema: Additive Combinatorics, Entropy, and Fractal Geometry
- 08/2017 **CIMPA School on Harmonic Analysis, Geometric Measure Theory, and Applications**, Buenos Aires, Argentina, co-organizador, en conjunto con A. Aldroubi, C. Cabrelli, U. Molter and S. Jaffard.
- 07/2017 **Mathematical Congress of the Americas**, Montréal, Canadá, co-organizador, en conjunto con C.G. Moreira, K. Simon and B. Solomyak.  
Sesión especial “Fractal Geometry and Dynamical Systems”
- 12/2016 **Primer encuentro conjunto SOMACHI-UMA**, Valparaiso, Chile, co-organizador, en conjunto con G. Iommi.  
Sesión especial “Dynamical Systems”
- 02/2016 **Ergodic, algebraic and combinatorial methods in dimension theory**, *ICERM*, Providence, EEUU, co-organizador, en conjunto con M. Hochman, I. Laba and B. Weiss.  
Programa “Dimension and dynamics”

### Referato

- Acta Mathematica
- Inventiones Mathematicae
- Advances in Mathematics
- Communications in Mathematical Physics
- Journal of the American Mathematical Society
- Geometric and Functional Analysis
- International Mathematical Research Notices (IMRN)
- Journal of Modern Dynamics



- Israel Journal of Mathematics
- Annals of Probability
- Journal d'Analyse Mathématique
- Studia Mathematica
- Geometria Dedicata
- Nonlinearity
- Annales Academiae Scientiarum Fennicae
- Bulletin of the London Mathematical Society
- Journal of the London Mathematical Society
- Ergodic Theory and Dynamical Systems
- Proceedings of the American Mathematical Society
- Fundamenta Mathematicae
- Constructive Approximation
- Mathematica Scandinavica
- Discrete and computational geometry
- Real Analysis Exchange

## Docencia

- 2013–Presente **Profesor Asociado**, *Universidad Torcuato Di Tella*, Buenos Aires, Argentina.  
Cursos: Matemática 2 (integrales, álgebra lineal, máximos y mínimos con restricciones), Economía Matemática (cálculo en varias variables)
- 2015 **Profesor Visitante**, *Universidad de Buenos Aires*, Argentina.  
Curso: Temas en Combinatoria Aditiva
- 2009–2011 **Research Associate**, *University of Manchester*, Reino Unido.  
Cursos: Measure Theory and Fractals (profesor), Calculus and Applications (ayudante)
- 2011 **Profesor Visitante**, *Univ. Nac. de Mar del Plata*, Argentina.  
Curso: Combinatoria Aditiva y Análisis Armónico
- 2010 **Profesor Visitante**, *Universidad de Buenos Aires*, Argentina.  
Curso: Temas en Teoría Ergódica
- 2008 **Postdoctoral Researcher**, *Universidad de Jyväskylä*, Finlandia.  
Curso: Introduction to Dynamical Systems
- 2001–2006 **Graduate Appointee**, *University of Washington*, EEUU.  
Cursos: Introduction to Differential Equations (profesor), Calculus I, Calculus II, Calculus for Biological Sciences (ayudante), Graduate Real Analysis, Graduate Algebra (corrector)
- 1999–2001 **Ayudante de 2da**, *Departamento de Matemática, Universidad de Buenos Aires*, Argentina.  
Cursos: Análisis I, Análisis para Cs. Biológicas, Probabilidad y Estadística para Cs. de la Computación, Complementos de Cálculo Avanzado
- 2001 **Ayudante**, *Universidad de San Andrés*, Buenos Aires, Argentina.  
Curso: Matemática I

## Idiomas

- Español **Nativo**  
Inglés **Nivel alto**  
French **Nivel básico**