

Claudio J. Gómez-González
Curriculum Vitae

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Department of Mathematics
University of Chicago
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EDUCATION

University of Chicago

2020 Ph.D. in Mathematics (expected).
 Advisor: Benson Farb

2017 M.S. in Mathematics.

New Mexico Institute of Mining and Technology

2015 B.S. in Mathematics, *summa cum laude*.

PUBLICATIONS

Preprints

2019 “Spaces of non-degenerate maps between complex projective spaces.”
 (preprint)
 “Spaces of holomorphic maps from products of spheres.” (in preparation)

GRANTS AND FELLOWSHIPS

2017-2020 Graduate Research Fellowship, National Science Foundation.

AWARDS AND HONORS

2017 Physical Sciences Teaching Prize, University of Chicago.
2014 Macey Scholar, New Mexico Institute of Mining and Technology.
2013 Tech Scholar, New Mexico Institute of Mining and Technology.
 Meritorious Winner, Mathematical Contest in Modeling.

INVITED TALKS

- 2018 Midwest Regional SACNAS: “Grassmannian filtrations and the cohomology of holomorphic mapping spaces.”
- 2018 NMT Colloquium: “Topology of the quadratic formula.”
- 2015 NMT Colloquium: “Configurations, Fourier theory, and card shuffling.”

CAMPUS AND DEPARTMENT TALKS

University of Chicago

- 2019 Graduate Seminar: “Polynomials, braids, and humanity.”
- 2016 Graduate Seminar: “Anyons and configurations.”
- 2014 Summer Research Colloquium: “The Dirichlet problem over varieties.”

TEACHING EXPERIENCE

University of Chicago

Teaching

- 2016-2017 College Fellow: Math 257, 258, and 259 (Honors Algebra I, II, and III).

High school summer enrichment

- 2019 Instructor: “Fractals, Algorithms, and Us,” Collegiate Scholars Program.
- 2018 Co-instructor: “Functions and Topology,” Collegiate Scholars Program.
- 2017 Teaching Assistant: “Symmetry!” Collegiate Scholars Program.

Advising

- 2016-2018 Directed readings (for 5 students) in geometry, topology, and algebra.
- 2015-2018 Research mentor (for 19 students): UChicago Mathematics REU.
- Research mentor (for 6 students): Mellon Mays.

New Mexico Institute of Mining and Technology

Teaching

- 2014 Lecturer: Math 581 (Introduction to Algebraic Geometry).
- 2013 Teaching Assistant: CSE 113 (Introduction to Computer Science).
- Teaching Assistant: CSE 122 (Algorithms and Data Structures).

SERVICE

Referee for *Topology and its Applications*.

DEPARTMENTAL/UNIVERSITY SERVICE

University of Chicago

2017-Present Diversity, Equity, and Inclusion Committee.
2019 Search Committee, Physical Sciences Dean of Students.
2016-2018 Dean's Advisory Council.
Math Department Ombudsman.
Diversity Advisory Board.
2015 UC SACNAS.

ACADEMIC AND PUBLIC SERVICE

Positions

2018-Present Founding Co-Chair, University of Chicago Labor Council.
Program and Policy Committeeman, American Federation of Teachers.
2017-Present Co-President, Graduate Students United.
2016-Present Organizer, Graduate Students United.
2018-2019 Mentor (for 3 students), Association for Women in Mathematics.
2017-2019 Mentor, Collegiate Scholars Program.

Panels and workshops

2019 Organizing for militancy, panelist, IFT Convention.
2018 Organizing in higher education, presenter, AFT National Convention.
Activist day school, organizer and presenter, Graduate Students United.
Hedge clippers, organizer and presenter, Graduate Students United.
This is what a scientist looks like, panelist, Midwest Regional SACNAS.
2015-2017 Imposter syndrome workshop (AWM, Women in Physics, UC SACNAS).

NONACADEMIC WORK

2019 Blog on critical math pedagogy: <http://claudiojacobo.blogspot.com/>.

PROFESSIONAL AFFILIATIONS

American Mathematical Society
American Federation of Teachers
Mathematicians of Color Alliance
Society for Advancing Chicanos and Native Americans in Science

REFERENCES

Research References

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Shmuel Weinberger
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Teaching References

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