

Lauren Gilbert

contact

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programming

R, Java, C++, Python,
Fortran

software

Stata, Microsoft Office,
Wordpress,
Mathematica,
SolidWorks, LabView,
Linux/Unix, L^AT_EX

education

- 2018 - **PhD** in Political Science UC San Diego
• Research focus on political economy of development, historical political economy, conflict
- 2018 **MSc** in Physics UC San Diego
• San Diego Fellow and Sloan Minority PhD Fellow
- 2016 **BSc** in Physics Caltech

research experience

- 2018 – **UC San Diego** La Jolla, CA
Graduate Researcher in Political Science
• Research assistant for Erik Gartzke and the Center for Peace and Security Studies
– Paper in preparation for submission on the projection of power across water
– Papers in progress on predicted frequency of use of nuclear weapons (and why nuclear weapons are less used than would be predicted, given their predicted number of casualties), projection of power and the likelihood of military conflict
- 2016 – 2018 **UC San Diego** La Jolla, CA
Graduate Researcher in Physics
• Presentations at national and international conferences for work on neutrino astrophysics
- 2015 **Caltech (taken at UC San Diego and Los Alamos National Laboratory)** La Jolla, CA
Summer Undergraduate Research Fellow
Studied Mikheyev-Smirnov-Wolfenstein resonant conversion of active neutrinos to sterile neutrinos in the early universe
- 2014 **University of Rochester (taken at Fermilab)** Batavia, IL
Undergraduate Researcher
• Worked on study of physical uncertainties in electron neutrino flux from the NuMI beam line
• Worked in team of 150 researchers to improve understanding of neutrino-nuclei interactions
- 2013 **Caltech (taken at UC San Diego)** La Jolla, CA
Summer Undergraduate Research Fellow
Added new physics to existing simulations of the early universe
- 2012 **University of Rochester (taken at Fermilab)** Batavia, IL
Undergraduate Researcher
Determined the effects of uninstrumented regions on reconstruction of neutral pions in MINERvA detector

awards and funding

- 2020 **Sanford Lakoff Fellowship** \$1250
- 2016 **San Diego Fellow** \$40,000
- 2016 **Sloan Minority PhD Scholar** \$20,000
- 2016 **Physics Achievement Award** \$3200
- 2016 **George W. Housner Student Discovery Award**
- 2015 **RE Springer Memorial Scholarship**
- 2014 **Boeing Undergraduate Engineering Scholarship**

works in progress

- 2018- **The Long-Run Impacts of Forced Labor in Northern Nigeria**
Building upon the literature of the long-term impacts of colonial forced labor, I study the long-term social impacts of extensive use of forced labor in a non-colonial context.
- 2019- **When Norway Gives Twelve Points To Sweden: The Determinants of Eurovision Success**
Using a novel dataset including (for the first time) song lyrics and content, I find that Eurovision success is utterly related to the song content and is, instead, highly dependent on regional networks.
- 2019- **LGBTQ Acceptance in Kenya**
The Busara Center for Behavioral Economics Off the Record Study, co-I with Susanna Berkouwer (UC Berkeley). Experimental study on the determinants of LGBTQ acceptance in Kenya.
- 2019 - **Power, Parity, Projection: How Distance and Uncertainty Condition the Balance of Power**
With Alex Braithwaite (University of Arizona) and Erik Gartzke (UCSD). Study on the projection of power and the likelihood of military conflict based on distance from each country.

conference presentations and invited talks

- 2020 USC (Los Angeles, CA), ISA 2020 (Honolulu, HI)
- 2016 Pacific Coast Gravity Meeting (Fullerton, CA), American Astronomical Society 228 (San Diego, CA), Future Physicist International Summer Camp (Hefei, China), Shanghai Jiao Tong University (Shanghai, China)
- 2015 American Physical Society Division of Nuclear Physics (Santa Fe, NM)
- 2014 National Collegiate Research Conference (Boston, MA), Conference for Undergraduate Women in Physics (Berkeley, CA), Theoretical Physics in Southern California (La Jolla, CA)
- 2011 EXO Week 2011 (Menlo Park, CA)

workshops attended

All workshops included scholarships for cost of attendance and travel.

- 2019 Open Science Grid User School (Madison, WI), Claremont Graduate University 1st Annual Empirical Workshop (Claremont, CA)
- 2017 Institute for Teaching and Mentoring (Atlanta, GA)
- 2015 Implications of Neutrino Flavor Oscillations (Santa Fe, NM)
- 2014 UCLA/UCSD Neutrino Workshop (San Diego, CA)
- 2013 Implications of Neutrino Flavor Oscillations (San Diego, CA)
- 2013 Topics in Astroparticle and Underground Physics Summer School (Asilomar, CA)
- 2011 Linear Collider Workshop of the Americas (Eugene, OR)

field work

- 2019 **Uganda**
RA for Metaketa IV on community policing (PIs Guy Grossman (Penn), Rob Blair (Brown), Anna Wilke (Columbia), implementing partner IPA Uganda)

non-academic work

2019 –

GeoQuant

Country Risk Analyst (Egypt)

- Coded news items for input into machine learning algorithm

2016 –

Quite Interesting, Ltd.

QI Elf (Writer and Researcher)

- Wrote and maintained @qikipedia Twitter feed (>1,000,000 followers and >15,000,000 views/week)
 - My contributions have been commented on / discussed by (among others) the BBC, the Guardian, Neil Gaiman, Mark Hamill, and J. K. Rowling.
- Wrote and maintained official QI Facebook page (>250,000 followers and >1,000,000 views/week)
- Contributed to Amazon.co.uk bestsellers 1,342 Facts To Leave You Flabbergasted, 1,234 Facts to Leave You Speechless, 1,423 Facts To Bowl You Over