

Michael Pinkard

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| CONTACT INFORMATION | Berkeley, CA Skype: michael.w.pinkard | pinkardmichael@gmail.com |
| INTERESTS | History and ethnography of science, political ecology, food justice, politics of urban ecology | |
| EDUCATION | University of Tübingen Tübingen, Germany Graduate study during Fulbright year, GPA: 3.8 Lafayette College , Easton, PA USA B.Sc., Mathematics with a Minor in Physics , GPA: 3.97 • <i>Honors</i> with thesis: <i>The Min-Oo Conjecture</i> • <i>Summa Cum Laude</i> Budapest Semesters in Mathematics , Budapest, Hungary Selective Mathematics Study Abroad Program | October 2014 to October 2015 September 2010 to May 2014 January to December 2013 |
| RESEARCH EXPERIENCE | Fulbright Scholar Department of Mathematics – University of Tübingen Worked under Gerhard Huisken and Carla Cederbaum, world-leaders in partial differential equations and geometry. Pursued a research project in mathematical general relativity using geometry and partial differential equations. Honors Thesis Department of Mathematics – Lafayette College Explored the resolution of the Min-Oo conjecture and related theorems in geometry and partial differential equations. Research Assistant Space Science and Engineering Lab – Montana State University Analyzed the data from MSU's HRBE satellite, comparing data from the satellite with established measurements of the Van Allen belts. Excel Scholar Department of Physics – Lafayette College Worked as a data analyst for the ALFALFA research project using data from the Arecibo radio telescope. Investigated the distribution of dark matter in the universe. | September 2014 to August 2015 June 2013 to May 2014 May 2012 to August 2012 June 2011 to August 2011 |
| WORK EXPERIENCE | Full Stack Engineer Pared Worked as a developer with significant ownership over the web-application, building out numerous features and helping to improve the developer experience. Software Engineer – Platform Team ZephyrHealth Brought on board to help rebuild the data infrastructure. In the course of the work I: - Worked with big data in the life sciences - Used machine learning techniques to process unstructured text data Full-Stack Web Developer FulcrumTech LLC Designed an in-house web application to track and report on numerous client and vendor contracts. | 2017 to 2018 August 2016 to August 2017 December 2015 to March 2016 |
| TEACHING EXPERIENCE | Supplemental Instructor Department of Physics – Lafayette College Led supplemental help sessions for students in introductory physics, focusing on understanding and applying concepts introduced in lectures, as well as developing the critical reasoning skills necessary for success in physics. Met twice weekly and held office hours. | September 2012 to December 2012 |

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| VOLUNTEER WORK | Urban Farmer UC Berkeley Gill Tract Community Farm – Berkeley, CA Help with all aspects of the farming operation including bed prep, planting, weeding, and general maintenance. Lead groups of volunteers during larger farm events. WWOOF Volunteer Quinta do Barbeito Permaculture Farm – Arcos de Valdevez, Portugal Helped with many aspects of farm maintenance and food forest development. Built staircases, stabilized trellises, monitored the annual vegetable lines, and helped orient volunteers coming for shorter stays. | March 2017 to Present Summer 2017 |
| CONFERENCES AND WORKSHOPS | <ul style="list-style-type: none">• <i>ESI-EMS-IAMP Summer school on Mathematical Relativity</i>, Erwin Schroedinger Institute, Vienna, Austria, July 2014• <i>Thematic Program on Nonlinear PDEs in Geometry and Physics</i>, University of Notre Dame, South Bend, USA, June 2014• <i>Park City Mathematics Institute Undergraduate Summer School</i>, Park City, USA, July 2013• <i>MSRI Graduate Summer School in Mathematical General Relativity</i>, Cortona, Italy, August 2013• <i>American Astronomical Society Meeting</i>, Austin, USA, January 2012• <i>ALFALFA Collaboration Workshop</i>, Arecibo, Puerto Rico, January 2012 | |
| TALKS AND PRESENTATIONS | <ul style="list-style-type: none">• <i>Faceted Search</i>, Zephyr Health, May 2017• <i>Riemann Surfaces Seminar</i>, Tübingen University, November 2014• <i>Thesis Presentation</i>, Lafayette College, May 2014• <i>HRBE Data Analysis</i>, Montana State University, August 2012• <i>The Group of Galaxies Surrounding HCG 069</i> (Poster Presentation), American Astronomical Society Meeting, Austin, USA, January 2012 | |
| SELECTED AWARDS AND HONORS | <ul style="list-style-type: none">• DAAD Graduate Study Scholarship Offer, April 2015• Fulbright Study Grant, August 2014 - July 2015• Mitman Mathematics Prize, Lafayette College, May 2014• Pi Mu Epsilon Mathematics Honors Society, Lafayette College, May 2013• Phi Beta Kappa Honors Society, Lafayette College, May 2013• Marquis Scholarship, Lafayette College, May 2010• Creative and Performing Arts Scholarship for Jazz Saxophone Performance, Lafayette College, May 2010 | |
| LANGUAGE PROFICIENCY | <ul style="list-style-type: none">• English - Native Speaker• German - C2• Spanish - C1• Hungarian - B2• French - B2• Chinese - HSK 2 | |