Levben Lamarr Parsons

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EDUCATION

2027 **Doctor of Philosophy in Earth and Planetary Sciences *(In Progress)***
Rutgers University, New Brunswick, NJ

2022 **Master of Science in Physics**
The City College of New York, Hunter College New York, NY

2014 **Master of Arts in Science Education,** Focus: Secondary School Physics
Teachers College, Columbia University, New York, NY

2009 **Bachelor of Arts in Astronomy**
Cornell University, Ithaca, NY

TEACHING EXPERIENCE

2012 - **Astrophysics Instructor (Grades K-12)** *American Museum of Natural History, New York, NY*

2023- 2025 **Teaching Assistant** *GEO 101: Intro to Geology, Rutgers University, New Brunswick, NJ*
Teaching Assistant *GEO 406: Petrology, Rutgers University, New Brunswick, NJ*

2021 - 2022 **Adjunct Lecturer** ASTRO *141: Astronomy Laboratory, York College, Queens, NY*
Adjunct Lecturer PHYS 113: *Physics Laboratory, York College, Queens, NY*
Teaching Assistant *PHYS 203: General Physics Laboratory, City College, New York, NY*
Teaching Assistant *PHYS 207: General Physics Laboratory, City College, New York, NY*

2014 - 2021 **Physics Teacher (Grades 4-8)** *St. Bernard's School, New York, NY*

2009 - 2010 **Science Teacher (Grades 7-11)** *STT/STJ Seventh-Day Adventist School, St. Thomas, VI*

FELLOWSHIPS, AWARDS, APPOINTMENTS, *(WORKSHOPS)*

2026 **Geological Society of America, Lipman Research Award,** USA

2024 - 2026 **Dragonfly (Titan Mission) Guest Investigator,** Johns Hopkins – APL, Laurel, MD

2024 - 2027 **GEM Fellowship,** The National GEM Consortium, USA

2024 **William and Grace Sparks Graduate Student Research Award,** Rutgers University, New Brunswick, NY

2023 - 2024 **PreDoctoral Leadership Development Academy Fellowship,** Rutgers, New Brunswick, NJ

2022 - 2026 **Scientist-In-Residence,** New York Academy Of Sciences, NYC

2023, 2024 **(NASA Astrobiology Mission Ideation Factory),** NASA Goddard, Greenbelt, MD

2023 **Sloan STAR Fellowship,** Rutgers University, New Brunswick, NY

2023 **(Catalyzing Advocacy in Science and Engineering),** AAAS, Washington DC

2022 - 2023 **Dean's Fellowship,** Rutgers, New Brunswick, NJ

2020-2021 **Zahn Center Start-Up Fellow and Prize Winner,** City College of New York, New York, NY

2008-2009 **Mellon Mays Fellowship,** Cornell University, Ithaca, NY

2007 **REU Research Fellowship** *University of Wisconsin–Madison, Madison, WI*

FIELDWORK

2026 **FIBG Field Work Assistant,** Rutgers University, *Faroe Islands, DK*

'23, '24, '25 **CRBG Steens Mountain Summer Field Assistant***, Rutgers University, Harney County, OR*

2017, 2018 **Summer Archaeology Field Student,** *Center for American Archaeology, Kampsville, IL*

RECENT OUTREACH

2024 *Was Mars wet and warm?,* Astronomy on Tap Public Talk, NYC
2023 *Life on Mars*, Astronomy on Tap Public Talk, NYC
2021 Emoti-Con Youth Media & Tech Challenge Judge, Mouse NYC
2021 Blackholes and Search For Life Outreach, PONO School
2019 CASA Hayden Planetarium Presenter: *Archeoastronomy,* AMNH
2019 Mercury Transit Event Coordinator, St. Bernard's School
2018 CASA Hayden Planetarium presenter: *Archeoastronomy,* AMNH
2018 *Big Crazy Question* Hayden Planetarium donor event presenter: *How do gas giants and dwarf planets measure up?,* AMNH

PUBLICATIONS, PRESENTATIONS, PROPOSALS

Parsons, L., Black, B., Karunatillake, S., (2025). 'Sulfur in Martian magmas from sulfur content at sulfide saturation applied to regional chemical maps', Icarus, 116491, ISSN 0019-1035, Available at: https://doi.org/10.1016/j.icarus.2025.116491.

Parsons, L., Black, B., Karunatillake, S., (2024, 2023). Sulfur in Martian magmas from sulfur content at sulfide saturation applied to regional chemical maps.
Presented at The American Geophysical Union Conference, Washington, DC (Oral Presentation)
Presented at The Geological Society of America Conference, Pittsburgh, PA (Poster Presentation)

Parsons, L., Black, B., (2024). The Redox Budget of Mars, Presented at The Astrobiology Graduate Conference, Ithaca, NY (Oral Presentation)

Parsons, L., Eguchi, J., Hickey, J., Simon, A., Black, B., (2024). Sulfur Emissions from the Central Atlantic Magmatic Province from glassy Melt Inclusions, Presented at The Geological Society of America Northeastern Section Meeting Manchester, NH (Poster Presentation)

Parsons, L. (2020). The Search For Life in Our Solar System. Alumni Dinner, St. Bernard's School, New York, NY (Oral Presentation)

Parsons, L. L. (2009) The Influence of Local Environment on the Relation Between Stars, Gas, and Rotational Velocity in Disk Galaxies. The Mellon Mays Research Fellowship Program, Ithaca, NY. (Oral Presentation)

Ayala, J.,…,Parsons, L., et al. (2008). The Arecibo Legacy Fast ALFA Survey: The January 2008 Undergraduate Workshop. (Observation Proposal)
http://egg.astro.cornell.edu/alfalfa/ugradteam/docs/ALFALFAProposal2008.pdf

Parsons, L. L. (2008). A Mid-Infrared Search for Galaxies in the Zone of Avoidance.
Presented at The American Astronomical Society Conference, Austin, TX. (Poster Presentation)

Parsons, L.L. (2006). The Truncated Mass Function of the Arches Cluster. Presented for the Cornell Fall 2006 Astronomy 233 Symposium. (Oral Presentation)
http://hosting.astro.cornell.edu/academics/courses/astro233/symp06/symp06.pdf

PROFESSIONAL PROJECTS

iOS Swift Developer: Rock Cycle iOS App (https://www.caripix.org/rock-cycle-edu.html) (DISCONTINUED)
iOS Swift Developer: Carbon Cycle iOS App (https://www.caripix.org/carbon-cycle-edu.html) (DISCONTINUED)
iOS Swift Developer: Water Cycle iOS App (https://www.caripix.org/water-cycle-edu.html) (DISCONTINUED)
iOS Swift Developer: Bingr iOS App (DISCONTINUED)

iOS Swift Developer: Schroed-It iOS App (https://www.caripix.org/schroedit-edu.html) (DISCONTINUED)

PROFESSIONAL AFFILIATIONS

New York Academy of Sciences
Geological Society of America
American Geophysical Union
National Science Teachers Association
National Association for Amateur Radio
Amateur Astronomers Association NYC
National Society of Black Physicists
Cornell Galactic Group *(past)*

OTHER SKILLS

Programming Languages/Software: Swift, Xcode, Python, HTML, Javascript, Firebase, IDL
Languages: English native speaker. Proficient in German. Beginner in Latvian.
Hobbies: sewing, latin dance, free-diving