

Claire Zurkowski

Contact Information

Claire Zurkowski
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Education

Current **The University of Chicago**, Chicago, IL
Graduate Student in Geophysical Sciences
Jan-15–June-16 **San Francisco State University**, San Francisco, CA
B.S. in Geology
Jan-14–Jan-15 **University of Maryland**, College Park, MD
Undergraduate Student in Geology
Aug-13–Jan-14 **Pratt Institute**, Brooklyn, NY
Undergraduate Student in Design

Scholarships and Awards

2018-2021 NSF Graduate Research Fellowship
2017 Outstanding Student Paper Award, Mineral and Rock Physics, AGU Fall Meeting
2016-2021 McCormick Fellowship, University of Chicago
2016 Department Honoree, San Francisco State University's Geology Department
2016 Summa Cum Laude, San Francisco State University
2013–2016 Dean's List; Pratt Institute, University of Maryland, San Francisco State University
2013 Presidential Scholarship, Pratt Institute
2013 Valedictorian, The John Carroll School
2013 Judith Resnick Scholarship for Women in the Math and Sciences
2013 William J. Sacco Scholarship for Applied Mathematics
2013 Math, Physics and Art Student of the Year, The John Carroll School

Professional Experience

Sep-16–current **Laboratory of Mineral Physics**, University of Chicago
Graduate Student
Advisor: Dr. Andrew Campbell
Jul-16–Sep-16 **Laboratory of Mineral Physics**, University of Chicago
Visiting Student
Advisor: Dr. Andrew Campbell
Jan-15–Jun-16 **High Temperature Geochemistry Research Group**, San Francisco State University
Geochemistry Field and Research Assistant
Advisor: Dr. Mary Leech
Jan-15–Jun-15 **United States Geological Society**, Menlo Park
Geophysics Research Assistant
Advisor: Dr. Walter Mooney
Jan-14–Jan-15 **The Isotope Geochemistry Laboratory**, University of Maryland
Geochemistry Research Assistant
Advisors: Dr. Roberta Rudnick and Dr. William McDonough

Publications Rudnick R.L., Gaschnig R.M., Li S., Tang M., Qiu L., Valley J.W., **Zurkowski, C.**, and McDonough, W.F. (2014) *Temporal evolution of the upper continental crust: implications for the mode of crustal growth and the evolution of the hydrosphere*: EOS, Transactions, American Geophysical Union.

Conferences and Annual Meetings

Dec-17 **AGU Fall Meeting**
Oral presentation
Jul-17 **COMPRES Annual Meeting**
Poster presentation

Conference Presentations

Zurkowski C.C., Chidester B.A., Davis A.H., Brauser N.M., Greenberg E., Prakapenka V.B. and Campbell A.J. (2017) *Stability of the high pressure phases Fe_3S_2 and Fe_2S to Earth's core pressures in the Fe-S-O and Fe-S-O-Si systems* Abstract MR54A-07 presented at 2017 meeting, AGU, New Orleans, Louisiana, 10-15 Dec. (Oral Presentation)

Zurkowski C.C., Chidester B.A., Davis A.H., Brauser N.M., Greenberg E., Prakapenka V.B. and Campbell A.J. (2017) *Stability of the high pressure phase Fe_3S_2 up to 175 GPa in the Fe-S-O system* Abstract. COMPRES Annual Meeting. (Poster Presentation)

Skills

Techniques Diamond Anvil Cell assembly, Yb-doped Fiber Laser Heating, X-Ray Diffraction, Focused Ion Beam, Scanning Electron Microscope, Nu Plasma Multi-Collector ICP-MS, Column Chemistry
Programs DIOPTAS, PeakFit, GSAS II, Mathematica, R, Julia, Photoshop, Illustrator, LaTeX, AZTEC, OmniProbe, OmniGIS

Outreach

2018 **Geophysical Sciences Representative**
University of Chicago
Women in Graduate Science Student Leadership Team
2018 **Geophysical Sciences Representative**
University of Chicago
Physical Sciences Division Dean's Student Advisory Committee
2017 **Docent**
The Field Museum
Conduct tours and educational lectures in the mineral and meteorite exhibitions of the Field Museum in downtown Chicago.
2017 **Tutor**
Marillac Social Center
Tutored elementary and middle school aged students in math and science.
2016 **Featured Speaker**
University of Chicago Lab Tours
Presented the experimental techniques of the Mineral Physics Laboratory to other UChicago graduate students
2016 **Tutor**
Upward Bound Tutoring Program serving students of low income families on the Southside of Chicago
Tutoring students in math, physics, chemistry, and college- prep
2016 **Classroom Assistant**
Argonne National Lab's Hour of Code Initiative
Helped students learn coding techniques at Peck Elementary School, Chicago, IL

2016

Mentor

Mentor Match Engine

helping to teach a pair of senior students about the Scanning Electron Microscope at the Illinois Science and Technology Institute, Chicago, IL

Chicago, 03 April 2018