Chanel Vidal
Geology major
Iowa State University
Expected graduation date: May 2021

Next goal: study planetary geology in grad school
End goal: work for NASA as a planetary geologist
Why I applied for Bose

- Boson particle
- Opportunity to learn from scientists in India while furthering my geology experience
- Becoming a Bose scholar became a huge goal
- So thankful!
Then what?

- Emailed geology departments in Mumbai
- IIT studies Deccan Basalts
- I was nervous, but beyond ready...
Indian Institute of Technology, Bombay
Prof. Soumyajit Mukherjee
Geodynamics Lab in Department of Earth Sciences
Assessment of knowledge

His goals for me:
- Field work
- Reading
- Basics of structural geology
- 1:1 lectures

Best parts of working for him:
- Became a part of his geology lab
- PhD students
Field work

- Identify brittle shear zones in Deccan Basalts
- Beaches in and around Kashid

- How to take field notes
- How to learn in the field
- How to see with a structural geology lens
Scientific reading & writing

- Read scientific papers and books
- Wrote a report on each reading
- Learned how to write scientifically
- Learned how to annotate and read scientific papers
- How to ask questions
1:1 instruction

- Lectures from Prof. S. Mukherjee
- Learned from PhD students
- Basics of structural geology

- How to take notes
- How to think in a lecture
- How to absorb information efficiently
Presenting skills

- Prepared scientific presentations
  - St. Xavier’s College
  - Canary Islands presentation

- How to annotate figures
- How to talk to an audience of scientists
How Bose and Prof. S. Mukherjee made it an amazing experience:

- Made new friends who immersed me in Indian culture
- Detol and Durga statue
- Ensured safety and a healthy mind
Was it worth it?

- Challenges I faced:
  - Heat exhaustion
  - Being 18 in a foreign country
  - Time difference from everyone I knew

Oh yeah.
Thank you Bose scholarship

- Without this team, this would’ve been impossible...

- Prof. S. Mukherjee for accepting an undergraduate student

- Opportunity to find my place in Indian culture and geology