Raman Spectroscopy and Carbon Spheres

Eno Shira

Where I did my project

- 33rd and Walnut
- Mostly done in Towne building
- Small part done at Drexel
 - Raman Microscope
- Eating done at Drexel + Penn campuses
- Mentor Dr. Santiago
 - Electrical and Systems Engineer Faculty
- Grad students





Why it was important to me

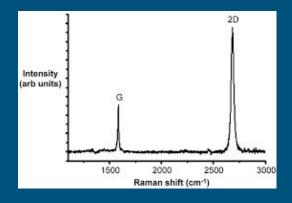
- Want to be electrical engineer in college
- Wanted to learn about lab gear
- Project simulated college experience

How I spent my time

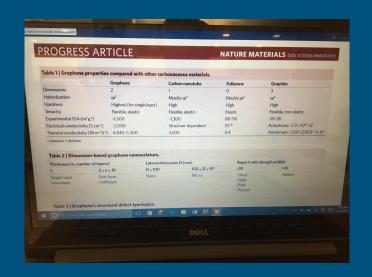
- Reading articles XRD, Raman, Carbon, Young
- Khan academy + PBS Quantum Mechanics video
- Eating lunch
- Graphene oxide tested with raman microscope
 - o Fluorescence problem messed with peaks
- Presented knowledge learned







How I spent my time cont.





More pictures



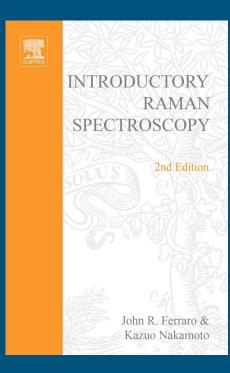


What I learned

- Learned about a variety of topics
 - XRD
 - Intro Quantum Mechanics
 - Ramen Spectroscopy
 - Young's double slits
 - Carbon
- Learned that engineering is hard
- But I enjoyed it

Book

- Introductory Raman Spectroscopy
- Came out in 1994
- By John R Ferraro
- Did not really understand book
- Lots of physics and chemistry equations



Service

- Laura W. Waring School at 1801 Green Street
- Taught kids about careers in engineering
- Spent rest of time helping teacher
 - Read Charlotte's Web
 - Completed class activity
- Kids want to be engineers, role model



