

Me Talking About Stuff and Other Stuff

A STORY OF A BOY WHO CAME INTO THE DEPARTMENT
PREVIOUSLY WANTING TO BE A HISTORY MAJOR
BY: JEREMIAH SIMMONS

Outline

- ▶ Information about me you probably didn't care to know
- ▶ Experiences as an under-grad, only academic stuff unfortunately
- ▶ Friction Stir Welding Research
- ▶ Computational Work
- ▶ Internship
- ▶ Questions, I didn't study for this so don't expect too much, but ask me everything

About Me

▶ Click to add text

Cooooool College Things I've Done or I'm Doing

- ▶ Served as EVP for IFC - 2015/2016
- ▶ Internship at Illinois Institute of Technology (IIT), summer 2016
- ▶ Hard Knox Life, summer 2015/2017
- ▶ Been to a couple conferences, both STEM and non-STEM based
- ▶ Working on Friction Stir Welding research with Dr. Longhurst
- ▶ Trying to work on computational research with Dr. Oelgoetz
- ▶ I am the assistant master-of-arms for all things physics in e108*

*(I work with Bryan Gaither as his assistant)

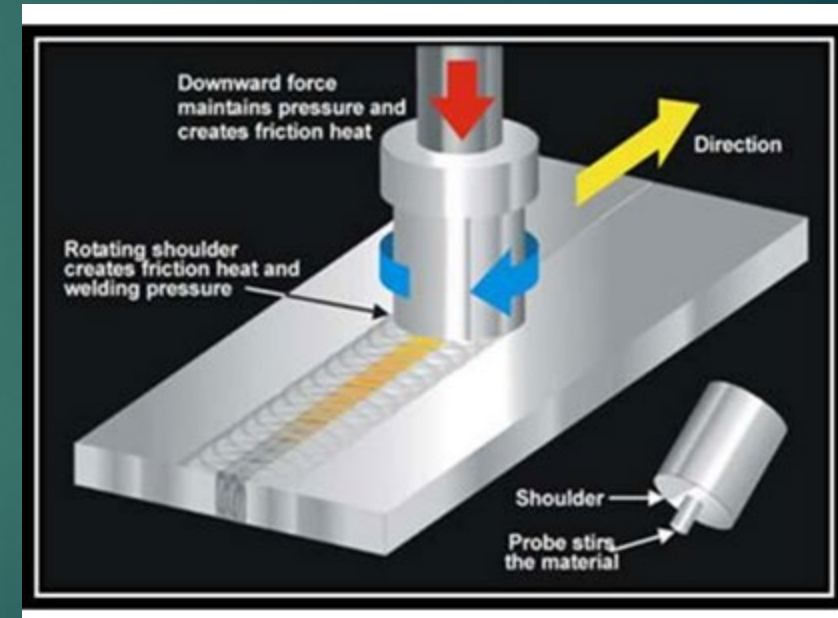
Pictures of Me At Places

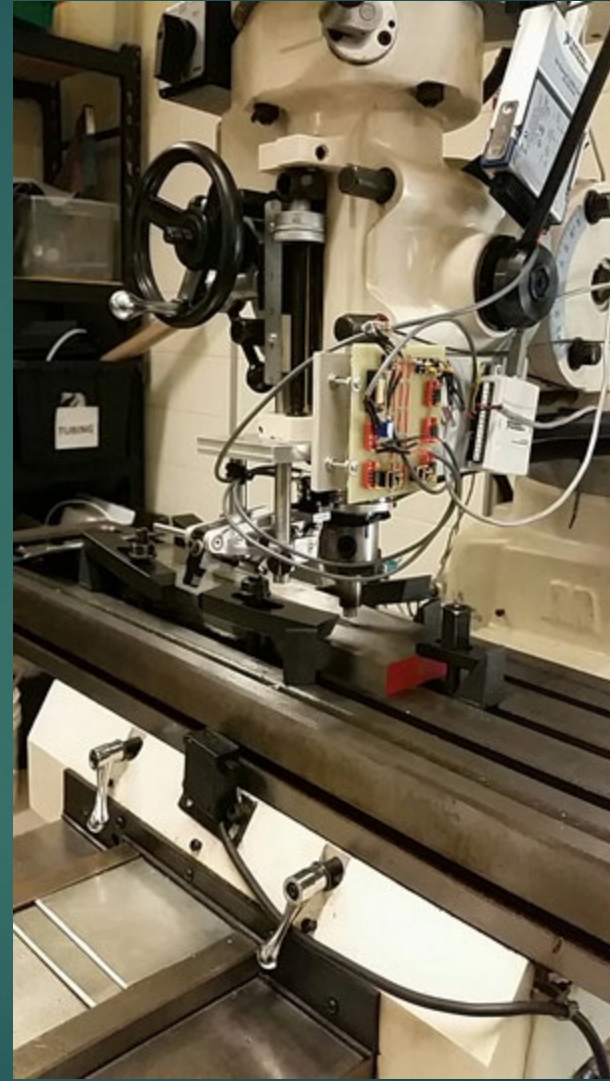




Friction Stir Welding

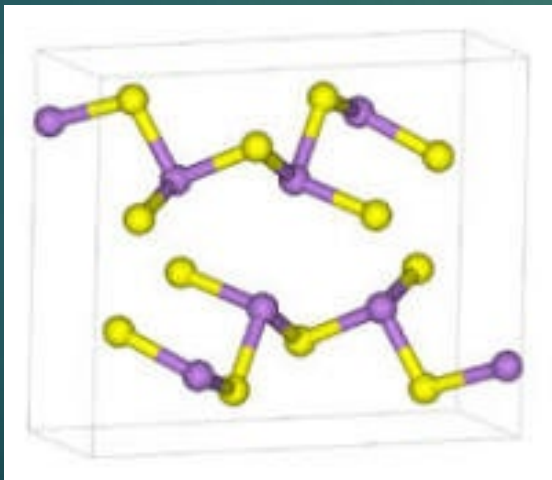
- ▶ What is FSW and how is it different from other welding processes
- ▶ Just submitted an abstract to SESAPS for their upcoming conference in November
- ▶ Currently my work focuses on developing strategies for identifying/predicting defects during the welding process





Computational Work

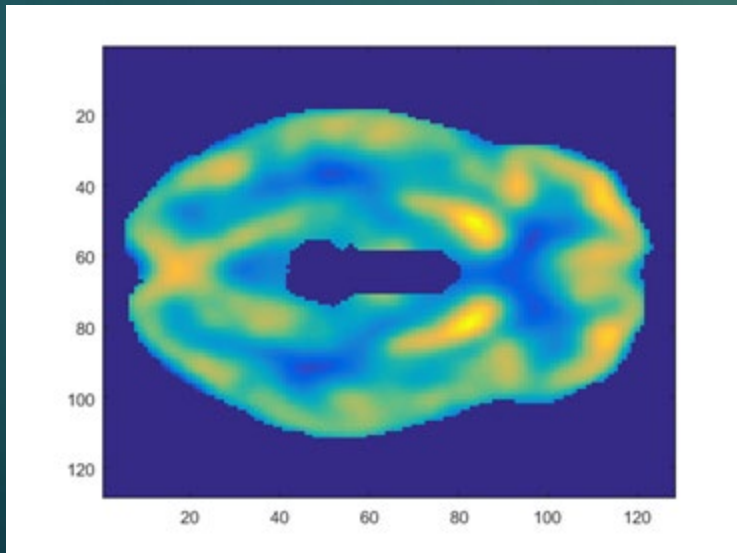
- ▶ My work focuses on building molecular models, using data structures, of the chalcogenide glass, Arsenic Trisulfide (As_2S_3).
- ▶ This project is fairly early in the process, has no clear objective yet.



Unfortunately I have no
cool
pictures of me coding
because
well it doesn't look cool.
But
it's so much fun, I promise.

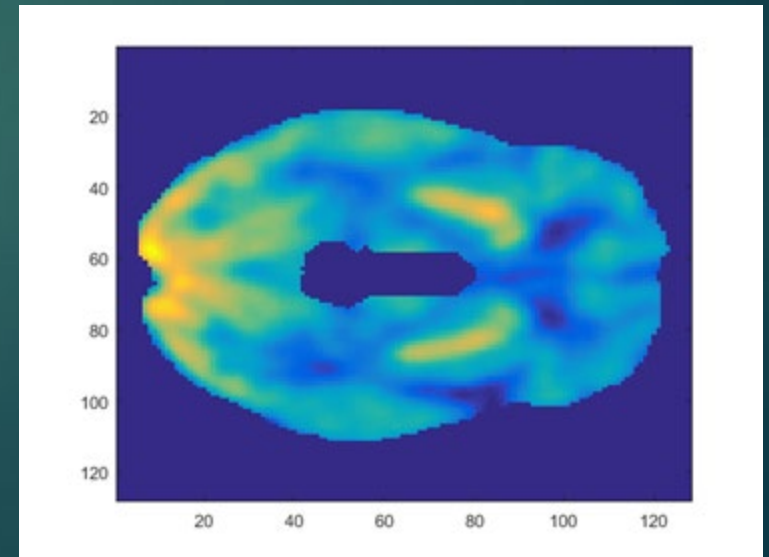
Internship Experience

- ▶ Worked at IIT, summer of 2016, in their biomedical engineering department.
- ▶ My job was to develop classifying strategies for diagnosing Alzheimer's Disease using PET scans.



On the left: No
Alzheimer's

On the right:
Alzheimer's



Q/A

- ▶ I want focus on any questions pertaining to how one might go and get internships, research projects, or maneuvering their way through the department. Essentially how to physics department.