



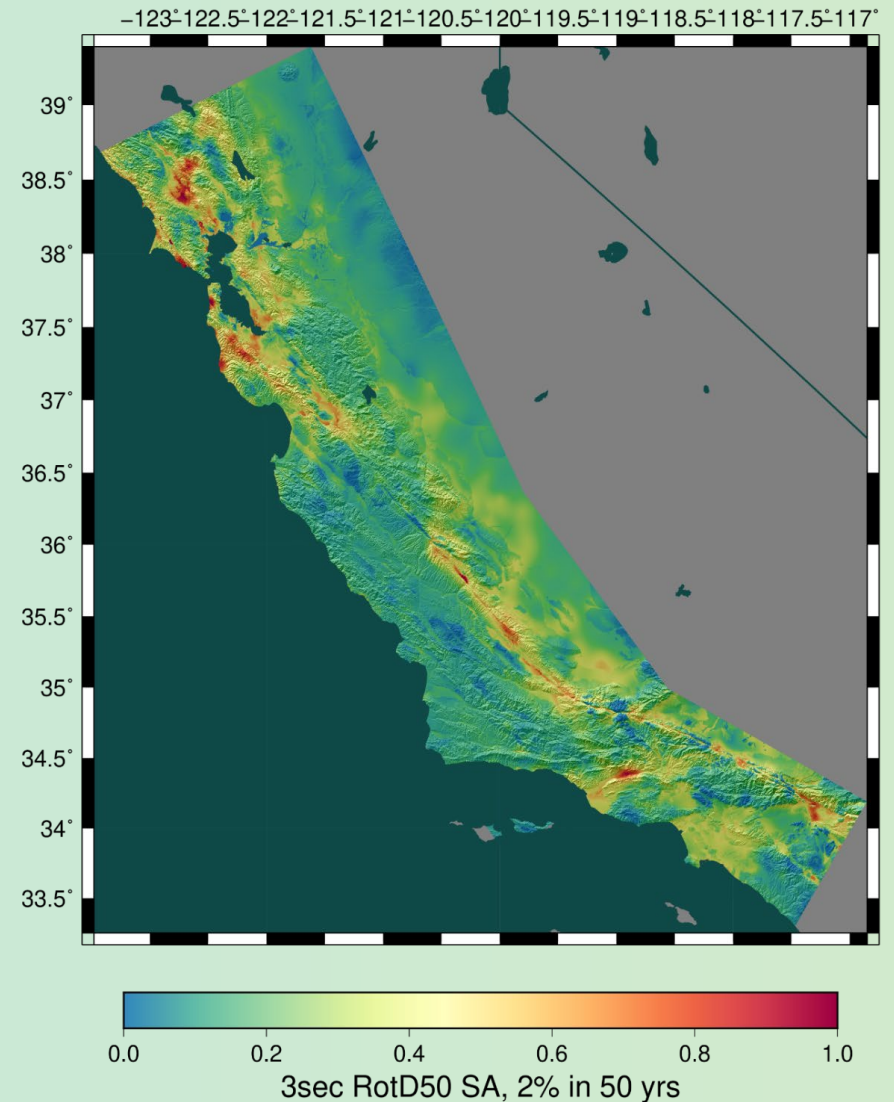
ECP Career Paths: Life as a Pretend Seismologist

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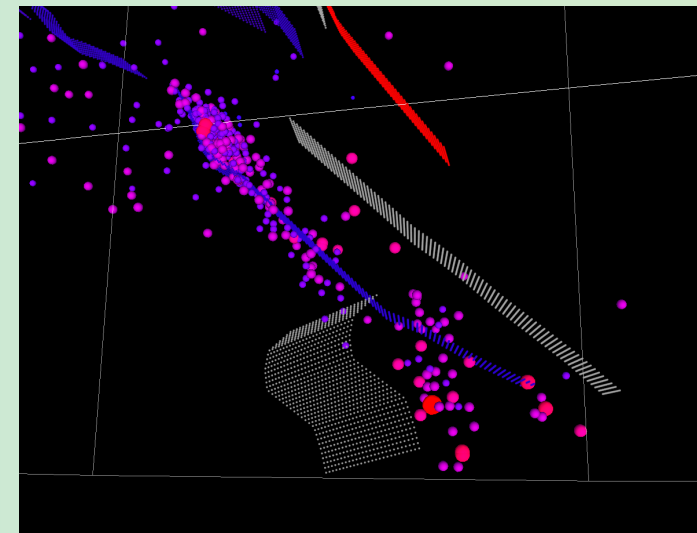
- Computer Scientist at the Statewide California Earthquake Center
- I'm an application developer
- My work includes:
 - Large-scale scientific workflows
 - Seismic hazard analysis through simulating hundreds of thousands of earthquakes
 - Optimization of codes
 - Mentoring, HPC outreach, interns



- Computer Science undergrad at USC (2000-2004)
- Not sure what to do after graduation
- Summer of 2004, got internship with the Southern California Earthquake Center (at USC)
- Worked on 3D visualization tool for earthquakes and related datasets with team of 20 interns
- Discovered the world of software for science!

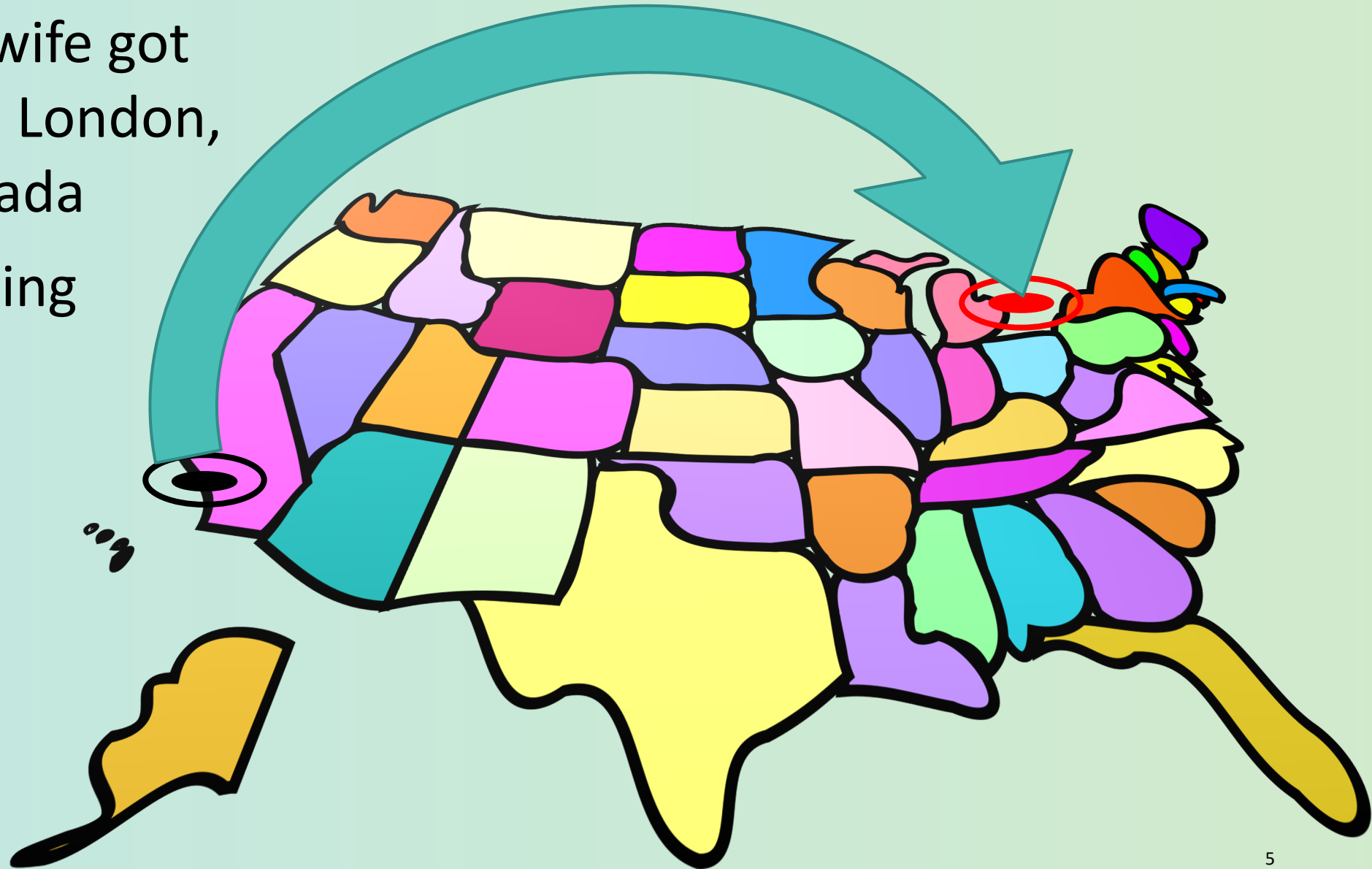


Original student ID picture.



- After graduation, started working for SCEC
- Got involved in HPC through large simulations
 - First SC was SC05
 - Temp employee, 2005
 - M.S. in Computer Science (High Performance Computing and Simulations), 2006-7
 - Thesis on automated testing for workflows
 - Full-time research programmer, 2008

- In 2008, my wife got a post-doc in London, Ontario, Canada
- Started working remotely

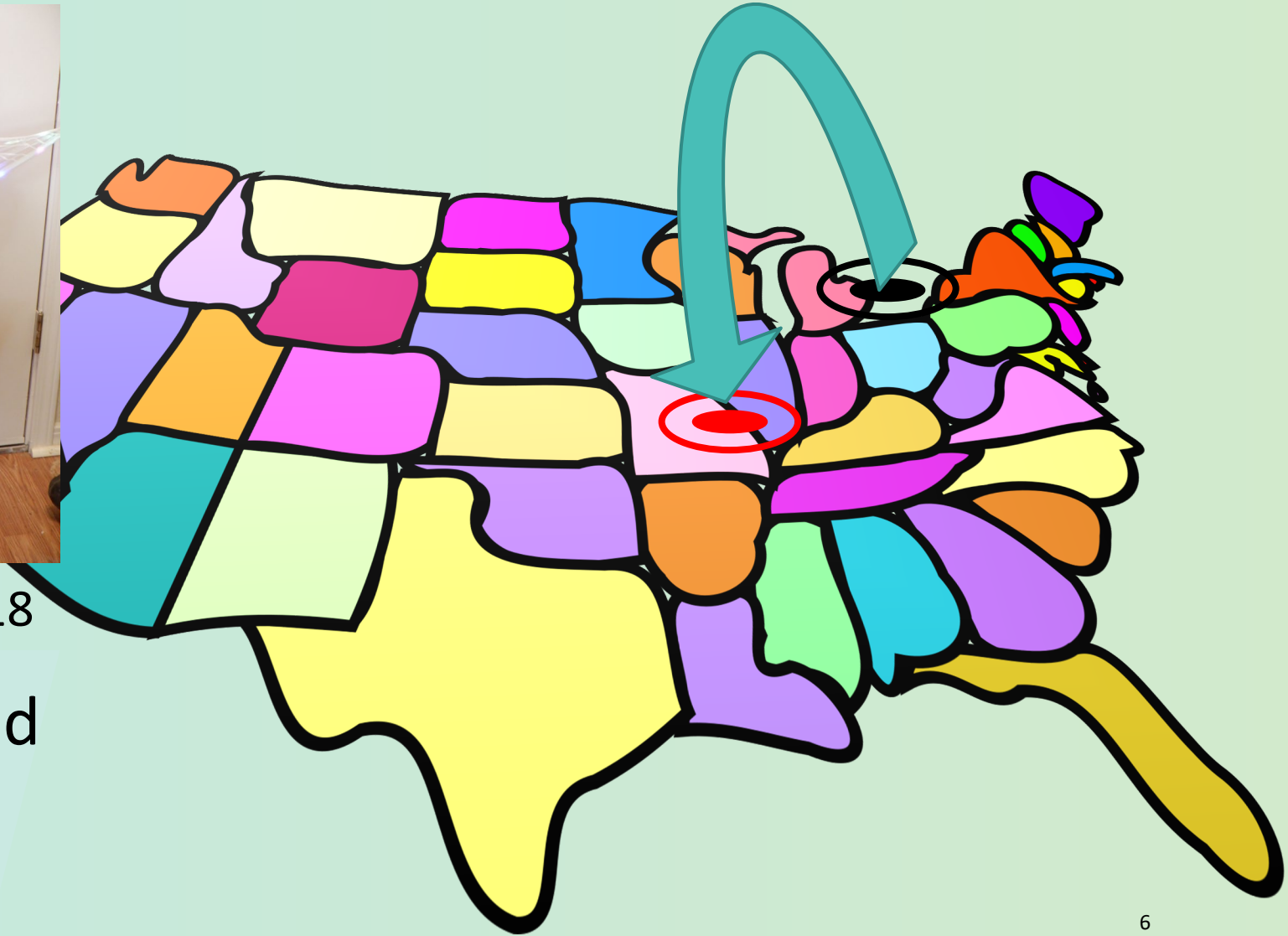


- In 2012, my wife got a faculty position at UMSL (University of Missouri – St. Louis)

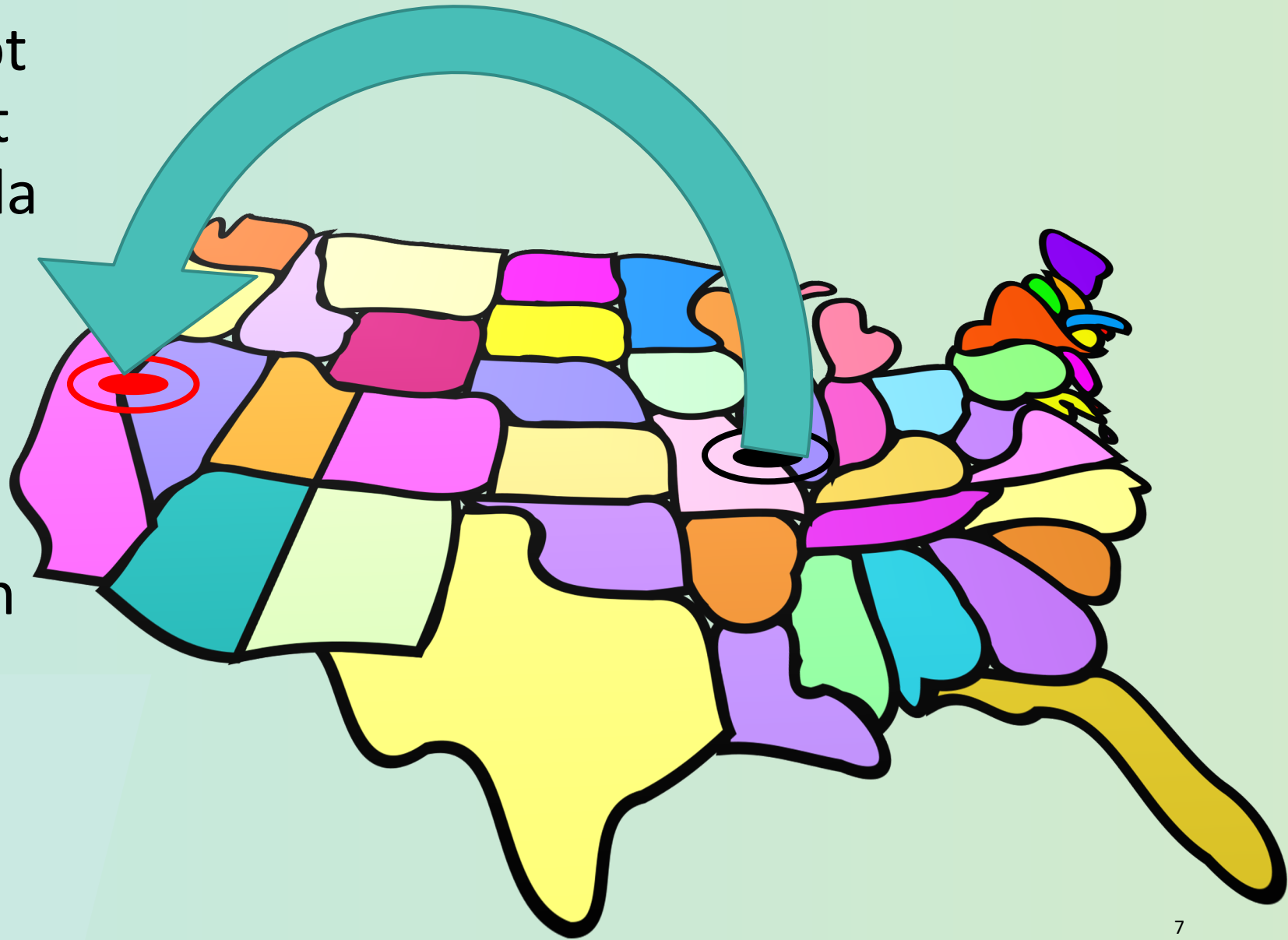


Max, born in 2015 Alex, born in 2018

- In 2018, I was promoted to Computer Scientist



- In 2020, my wife got a faculty position at University of Nevada Reno
- No change to my employment
- SCEC is going through a transition
- In the middle of the promotion process



- Look at the examples set by leadership when considering a position
 - Work/life balance?
 - Steady work or putting out fires?
- Ask for what you want and need, from your workplace and your family
- Don't be afraid to stay put if it's working for you
- Plan, but remain open to opportunities