



Jean Anne Currivan

Graduate Institution: Harvard University

Graduate Discipline: Experimental Condensed Matter Physics

Hometown: Los Altos, CA

Relevant SC Research: Basic Energy Sciences

Research Interest:

My research focuses on spintronics, using nanoscale magnetic materials to design and fabricate more energy-efficient logic gates. I am interested in nanotechnology for the future of computing, both classical computing and quantum computation/information. I am also interested in other applications of nanotechnology, for example in the space industry and for renewable energy.

In the past I have done research on quantum dots in nanowires, two-dimensional electron gases, Bose-Einstein Condensation, and x-ray imaging for the early detection of breast cancer.

About Me:

I am currently a Ph.D. candidate at Harvard University, and a graduate research fellow at Massachusetts Institute of Technology. I have six publications in refereed journals, two resulting from my fellowship research. I have given five talks at research conferences/meetings since starting the fellowship.

I plan to continue working in nanotechnology research, whether it is at a national laboratory, at a university, or in industry. Outside of lab I enjoy dancing and teaching Lindy Hop, studying philosophy, and outdoor activities such as hiking and kayaking.



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