

Example summaries of funded Park Fellowships

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The goal of the project is to develop an interdisciplinary course, “Introduction to Quantum Computing for Science and Engineering Majors.” Quantum Computing (QC) is a booming field of research and also an emerging new technology, which promises to revolutionize computing. Various courses on QC are now given at Universities all around the world; lack of such a course is a severe deficiency of UU curriculum. The course will attract graduate and undergraduate students from Physics, Math, Engineering, and Computer Science. In addition to lectures, it will have a lab component, where students will design simple quantum algorithms and run them remotely on “noisy” quantum processors provided for the general public by IBM.

To develop the course, the PI will follow several classes on QC as a remote listener and also will stay for a month at a university with a well-established QC program. Most likely, this will be Rutgers University.

Shirley Zhao

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In an era of data-powered health and data-driven research, it is essential that health sciences librarians and information science professionals develop the capability and capacity to meet the evolving needs of the scientific communities they support. My current research and teaching focuses on library services for research data management and reproducibility. As my educational efforts have grown from teaching university researchers to information professionals nationwide, I am keen to reach a more global audience and to learn from those outside the US.

For this project, I plan to work with scholars at the Documentation Research and Training Center within the Indian Statistical Institute, Bangalore to study and teach short courses, seminars, and workshops on various aspects of research data support. The opportunity to spend time immersed in another country and culture will enrich my future teaching and connections. Dissemination of this work will include presentations, publications, and new educational offerings.