

## Computer Science PhD Students Awarded Prestigious NSF Graduate Research Fellowships



**Morgan Vigil**



**Chris Sweeney**

Computer Science doctoral students [Chris Sweeney](#) and [Morgan Vigil](#) have been awarded National Science Foundation Graduate Research Fellowships. The Fellowships provide each student with a stipend of \$30,000 a year for three years plus tuition and travel support.

The NSF Graduate Research Fellowship Program (GRFP) helps ensure the vitality of the human resource base of science and engineering in the United States and reinforces its diversity. The program recognizes and supports outstanding graduate students in NSF-supported science, technology, engineering, and mathematics disciplines who are pursuing research-based master's and doctoral degrees at accredited United States institutions.

Morgan Vigil is a doctoral student in Professor Elizabeth Belding's [MOMENT Lab](#), where she is interested in utilizing resource-efficient and culturally-considerate connectivity solutions in rural areas.

"We are very proud of Morgan's accomplishments and her dedication to a humanitarian focus of her Ph.D. dissertation. This NSF Fellowship validates her current research contributions and her ambitious research plan for her Ph.D. degree," commented Professor Belding.

Chris Sweeney is a doctoral student in the [Four Eyes Lab](#) of Professor Matthew Turk and Professor Tobias Hollerer, where his research is focused on real-time localization from large-scale 3D datasets for use in augmented reality.

"Chris is passionate about large-scale computer vision problems that can have a significant impact in the real world. The ambitious goal of his research is to enable the construction of a detailed and accurate 3D model of the world and to thus allow the world to become the interface for a wide range of augmented reality applications, revolutionizing the way that people interact with their surrounding environment," said Professor Turk. "Given his background and his proactive approach to research, we are confident that Chris will do important work for his dissertation, and he is well deserving of this NSF Fellowship.

Professor Hollerer added, "His chosen topic of creating and updating geometric representations for large

environments on a global scale and using them for improved global augmented reality applications is timely, challenging, and promising. I look forward to his contributions in this area."

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## Images



## Related Links

[NSF Graduate Research Program](#)

[Profile: Chris Sweeney](#)

[Profile: Morgan Vigil](#)

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