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Christine Uhl* (cuhl@sbu.edu). *Staying afloat with turtles, and other adventures.*

Working with undergraduates on research can be one of the most rewarding parts of being a mathematics professor. But what makes a good topic of research for undergraduates? How do you find topics that will keep the students engaged and curious? And what are common pitfalls to avoid? In this talk, I will offer some nuggets of answers to these questions and show some concrete examples of undergraduate research that I have mentored; one of which involved turtles. (Received September 20, 2021)