Faculty Name:

Drew C Youngren

Faculty Email:

dcy2@columbia.edu

Lab:

3Demos

Project Title:

3Demos Developer

Description:

3Demos (http://3Demos.ctl.columbia.edu/) is a web application developed for the creating and sharing of visualizations for multivariable calculus concepts for the purpose of education. We seek to expand the library of demonstrations ("Story Mode" in the link above) to include more advanced mathematical concepts as well as more creative examples of fundamentals. The position will also include some code maintenance, documentation, and the like. Throughout, students will advance their understanding of mathematics, computer graphics, and web development.

Experience with Javascript/HTML/CSS preferred, but interested students with programming experience in other environments should apply.

Location of Research:

Hybrid (both Remote and On Site)

# of hrs/week:

15

Department/Program:

Applied Physics and Applied Mathematics

Eligibility:

BS, First Year, BS, Second Year

To apply, please contact:

Drew C Youngren <dcy2@columbia.edu>