Evan Whited

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EDUCATION

Univeristy of Kansas   Lawrence, KS
Bachelor of Science in Mathematics   *Aug. 2017 – May 2021*
- GPA: 3.70

EXPERIENCE

Kansas Algebra Program:

Instructor - Math 101 Enhanced: Remedial College Algebra   Aug. 2019 – Present
University of Kansas   *Lawrence, KS*
- Design and lead engaging and educational lectures to a class of 20 students daily
- Structure a student-oriented class minimizing D/Fail/Withdraw rates to 10% (program average: 20%)
- Maintain student evaluation rating of 4.6/5, average student grade of 80.5% (program average: 77%)

Supervisor   Aug. 2018 – Present
University of Kansas   *Lawrence, KS*
- Manage the math help room and direct a team of up to 12 tutors daily
- Oversee drop-in testing center of up to 100 students
- Lead round-table exam grading process to optimize grading 700+ exams in less than one week
- Train and prepare incoming tutors and graduate students to lecture and tutor effectively
- Tutor a diverse student population in a variety of math classes in a one-on-one drop-in setting

KU Math Department:

Grader - Math 646: Complex Variables   Aug. 2020 – Present
University of Kansas   *Lawrence, KS*
- Facilitate students' understanding through comments on biweekly homework assignments
- Address common misunderstandings in communication with the professor

Ross Mathematics Program:

Camp Counselor   Jun. 2020 – Aug. 2020
Ross Math Camp   *Online*
- Lead daily discussions in number theory, abstract algebra, and geometry with a group of 5 high school students
- Provide constructive feedback on rigorous daily problem sets

PROJECTS AND RELATED WORK

Math 101 Enhanced - Course Restructure | *LaTeX, Zoom, Rover*   Aug. 2019 – Present
- Collaborate with fellow instructors to redesign Math 101 Enhanced for increased student success
- Implement affordable online homework protocol Rover
- Design comprehensive weekly quizzes in LaTeX to prepare students for exams
- Improve accessibility via transition to hybrid online/in-person setup through Zoom
- Reduced program-wide D/F/W rate from 30+% to 20%, personal class rate of 10%

Math Animations - Personal Project | *Python, Manim, LaTeX, FFmpeg, GitHub*   May 2020 – Present
- Create animated educational mathematical shorts using Python library Manim and TeX
- Foment mathematical discussion at Ross Math Camp through intermittent animated demonstrations
- Publish source code to GitHub, compile via FFmpeg, upload videos to Youtube

SKILLS

Languages: *Advanced understanding–* LaTeX; *Basic experience–* SQL, Python, R, C++
Libraries: Manim, NumPy, Matplotlib, SciPy, scikit-learn
Miscellaneous: Tableau, Inventor, MS Office