Joshua Jordan

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EDUCATION

Graduated: Spring 2017

Wright State University, *Dayton, OH*

- Cumulative GPA: 3.906/4. Double major in Mathematics and Physics. Graduated summa cum laude with departmental honors. BS awarded 6/2017.

Expected Graduation: Spring 2022

University of California, Irvine, *Irvine, CA*

- Cumulative GPA: 3.833 /4.Studying for doctoral degree in mathematics with a concentration in geometric analysis. More specifically, generalized Ricci flow and pluriclosed flow on Hermitian manifolds. MS awarded 6/2019.

EXPERIENCE

Jan 2015 – May 2015

Physics Lab Instructor, *Wright State University Physics Department*

- Supervised by William Wagner (email: william.wagner@wright.edu)

May 2015 – Jul 2015

Research Assistant, *Wright State University Math Department*

- Graph theory and combinatorics
- Supervised by Dr. Daniel Slilaty (email: daniel.slilaty@wright.edu)

Jan 2016 – May 2016

SCALE-UP Teaching Assistant, *Wright State University Tutoring Center*

- Supervised by Dr. Randy Mieskoski (email: randy.mieskoski@wright.edu)

Jan 2016 – May 2016

Research Assistant, *Wright State University Math Department*

- Learned principles of the geometry of curves in 3-dimensional space. Used DoCarmo's *The Differential Geometry of Curves and Surfaces*.
- Supervised by Dr. Qun LI (email: qun.li@wright.edu)

Aug 2016 – Jan 2016

SCALE-UP Teaching Assistant, *Wright State University Physics Department*

- Supervised by Dr. Ajani Ross (email: ajani.ross@wright.edu)

May 2016 – Jan 2016

Senior Project, *Wright State University Physics Department*

- Responsible for original research project under the guidance of a professor in the physics department. Focused on modeling super current in YBCO.
- Supervised by Dr. Jason Deibel (email: jason.deibel@wright.edu)

2017-pres

Teaching Assistant, *University of California, Irvine*

- TA'ed for 140 A,B (Elementary Real Analysis); 2B,D (Calculus); 121 A (Advanced Linear Algebra); 184 (History of Math); 162 B (Theory of Curves and Surfaces); 112 A (Partial Differential Equations)

2017-pres

Research Assistant, *University of California, Irvine*

- Focused on pluriclosed flow and generalized Ricci flow on Hermitian and generalized complex manifolds. Supervised by Dr. Jeffrey Streets (email: jstreets@math.uci.edu)

2020

Organized grad student seminars in Ricci Flow and Nonlinear PDE

HONORS

Aug 2013 – Pres

Departmental Honors Student, *Wright State University*

- Required to submit an honors research project and maintain a GPA of at least 3.3/4.

Aug 2014 –May 2016

Member of Dean's Circle, *Wright State University College of Science and Math*

- The Dean's Circle is the Dean's Student Advisory Board of the College of Science and Math. Responsible for student leadership, event organization, and facilitating student-faculty dialogue.

2015 – 2017

Professor Krishan K Gorowara Memorial Scholarship, *Wright State University Math Department*

2015 – 2016

Gust Bambakidis Scholarship, *Wright State University Physics Department*

- Given to students demonstrating exceptional involvement in physics courses, labs, the Society of Physics Students, or other departmental activities.

Aug 2015 – May 2016

Chair of Dean's Circle, *Wright State University College of Science and Math*

2016 – 2017

Dr. Merrill L Andrews Memorial Scholarship, *Wright State University Physics Department*

Apr 2016 – Pres

President of the Society of Physics Students, *Wright State University Physics Department*

- Responsible for community outreach, cultivating a sense of community within the department, and developing student-faculty relations.

May 2016

College of Science and Math Nominee for Presidential Scholarship, *Wright State University*

- One person is nominated from each of the seven colleges. The seven are interviewed and the winner of the scholarship is selected to do a research project of interest to the university at large.

Jun 2017 — Graduated Summa Cum Laude, *Wright State University*

- Cumulative GPA of at least 3.9 at the time of graduation.

2019-2020 — Treasurer, *Society for Industrial and Applied Mathematics at UCI*

PAPERS

- Jordan, J. & Streets, J. On a Calabi-type estimate for pluriclosed flow*. Adv. In Math.* **366** (3 June 2020).

- Jordan, J. A steady length functional for Ricci flow*. Proc. Amer. Math. Soc*. (16 October 2020). Online: https://doi.org/10.1090/proc/15202