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](mailto: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](mailto: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](mailto: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.

2018-2020 Community Outreach Coordinator, *QTSTEM*

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

2020-2021 Math Department Steward, *United Auto Workers Local 2865*

* Democratically elected by coworkers to act as a representative, bring up grievances, inform and organize coworkers.

**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