

# Joshua Jordan

## Curriculum Vitae

Department of Mathematics  
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### Education

- 2017–2023 **PhD in Mathematics**, *University of California, Irvine*, Irvine, CA  
Thesis title: *Pluriclosed flow and generalized geometry*  
Advisor: Prof. Jeffrey Streets
- 2013–2017 **BSc in Mathematics and Physics**, *Wright State University*, Dayton, OH

### Appointments

- 2023–2026 **NSF-RTG Postdoctoral Scholar**, *University of Iowa*  
Conducting research on fully nonlinear partial differential equations on Hermitian manifolds under Dr. Hao Fang.
- 2017–2023 **Teaching Assistant**, *University of California, Irvine*  
Instructed undergraduate courses including Elementary Real Analysis, Calculus, Advanced Linear Algebra, and Partial Differential Equations.
- 2017–2023 **Research Assistant**, *University of California, Irvine*  
Focused on intrinsic geometric flows on Hermitian manifolds with closed torsion under Dr. Jeffrey Streets.

### Publications

- Fang, H. & Jordan, J. “On canonical metrics of complex surfaces with split tangent and related geometric PDEs.” arXiv:2406.14007.
- Jordan, J. “Generalized geometry and pluriclosed flow.” Thesis. *UC Irvine*. ProQuest ID: Jordan\_uci\_0030D\_18407. Merritt ID: ark:/13030/m5vb90rv.
- Garcia-Fernandez, M., Jordan, J., & Streets, J. “Non-Kähler Calabi-Yau geometry and pluriclosed flow.” *J. Math. Pures Appl.* 177 (2023) 329-367.
- Jordan, J. “A steady length functional for Ricci flow.” *Proc. Amer. Math. Soc.* 149 (2021) 397-406.
- Jordan, J. & Streets, J. “On a Calabi-type estimate for pluriclosed flow.” *Adv. In Math.* 366 (2020) 107097.