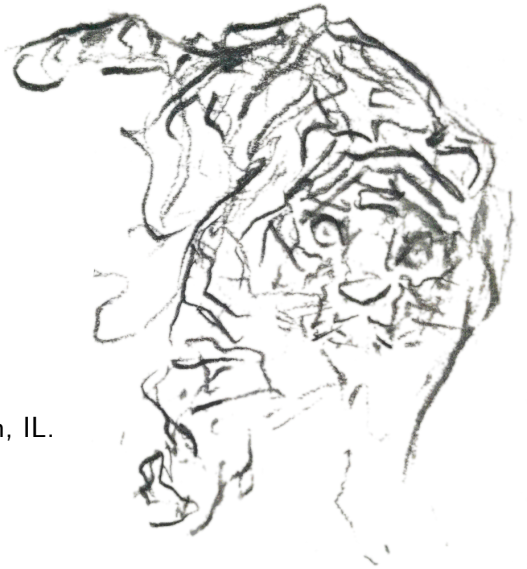


Jasmine Otto

Art imitates life reifies art.

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📁 jazztap.github.io
🐦 [tweets @jatazak](https://twitter.com/jatazak)



Education

- 2018–present **PhD, Computational Media, UCSC.**
University of California, Santa Cruz. Expected 2021.
- 2015–2018 **MS, Applied Math, UIC.**
University of Illinois at Chicago. Received 2017.
- 2012–2015 **BS, Mathematical Computer Science, UIC.**
Minor in Biology. Graduated *summa cum laude*.
- 2009–2012 **Transferred work, College of DuPage, Glen Ellyn, IL.**

Experience

Selected Research & Teaching

- July 2019 **Solving Polynomial Systems with phcpy**, with Jan Verschelde.
DOI:10.25080/Majora-7ddc1dd1-009. In Proceedings of the 18th Python in Science Conference (SciPy 2019).
- April 2019 **IGM-Vis: Analyzing Intergalactic and Circumgalactic Medium Absorption Using Quasar Sightlines in a Cosmic Web Context**, *Joseph N. Burchett et al.*
arXiv:1812.07092. Accepted to Eurographics Conference on Visualization 2019 and Computer Graphics Forum.
- Fall 2016 **Independent study, Ecological Sociobiology**, with Lou Kauffman.
Memetic flow on a social graph. Patterns due to diffusivity, advection, nonlinear response.
- Fa16–Sp18 **Organizer, SIG Math Coding**, UIC ACM.

Programming

- Scientific** *Python, Jupyter, Pandas, Cython, R, C++ in a past life.*
- Visual** *JavaScript, D3.js, Vega, Processing, shaders.*
- Robust** *Scala, Git, Tornado, Prolog.*
- Mathematical** *Rigorous proof, SageMath, NetLogo, LaTeX.*

Distinctions

- April 2017 **Scholarship**, Yeuk-Lam Yau-Leung Memorial, in biomathematics.
- June 2016 **Participant**, *SMS 2016: Dynamics of Biological Systems*, University of Alberta.
MSRI supported.
- May 2015 **Member**, Phi Beta Kappa.
- April 2015 **Outstanding scholarship**, Biological Sciences at UIC, BIOS 100 and 101.

Interests

- Research Building intuition for science through direct manipulation. Juxtapositional narrative. Improvisational learning. Emergence of distinct qualitative regimes via saddle points.
- Gesture/Hobby Modern dance, drumset, figure drawing, storygaming, ontology, Mandarin.