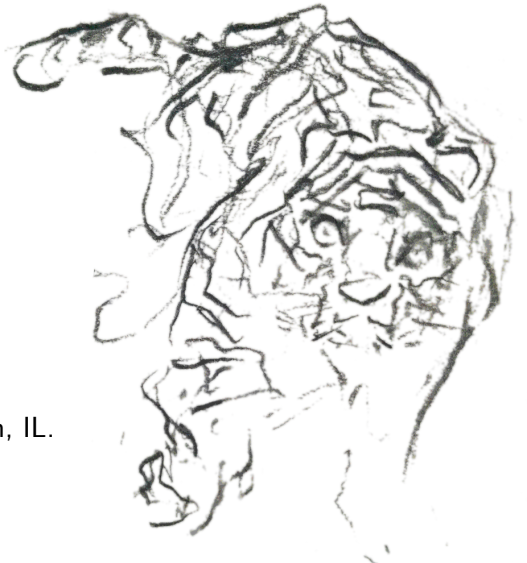


Jasmine Otto

Art imitates life reifies art.

✉ jtotto@ucsc.edu
📁 [jazztap.github.io](https://github.com/jazztap)
🐦 [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

- October 2019 **Data Brushes: Interactive Style Transfer for Data Art, M. Dubey et al.**
doi:10.1109/VISAP.2019.8900858. VISAP 2019.
- July 2019 **Solving Polynomial Systems with phcpy, J. Otto, A.G. Forbes, J. Verschelde.**
doi:10.25080/Majora-7ddc1dd1-009. SciPy 2019 proceedings.

Selected Teaching

- Summer 2019 **Mentor, Science Internship Program, UC Santa Cruz.**
Mentored high school interns to develop in-browser explorable explanations via ObservableHQ.
- AY '16–'18 **Organizer, SIG Math Coding, UIC ACM.**

Languages

- Visual** *JavaScript, D3.js, ObservableHQ; Processing; THREE.js, shaders.*
- Robust** *Scala, Prolog; Git, JupyterHub, Fabric.*
- Scientific** *Python, Jupyter, numpy, xarray; R; Cython, OpenCL.*
- Mathematical** *Rigorous proof, SageMath, NetLogo, LaTeX.*

Distinctions

- AY '18–'19 **Chancellor's Fellowship, UCSC,** competitive doctoral fellowship.
- April 2017 **Scholarship, Yeuk-Lam Yau-Leung Memorial Scholarship,** 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. Territorialization over saddle points in ontology generators.*
- Gesture/Hobby *Modern dance, drumset, figure drawing, storygaming, ontogeny.*