Jasmine Otto

Art imitates life reifies art.

✉ *jtotto@ucsc.edu*
⌂ *jazztap.github.io*
tweets @jatazak
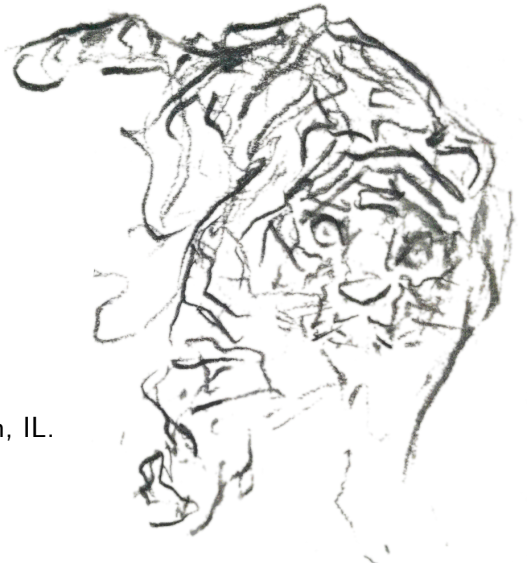
Education

2018–present	**PhD, Computational Media**, *UCSC*. *University of California, Santa Cruz.* Expected 2023.
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 Progam*, 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.