Damon Crockett

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Academic Appointments

2022–present	**Lead Scientist**, *Lens Media Lab, Yale University*, West Haven, CT.
2020–2022	**Principal Data Scientist**, *Lens Media Lab, Yale University*, West Haven, CT.
2018–2020	**Data Scientist**, *Lens Media Lab, Yale University*, West Haven, CT.
2017–2018	**Postdoctoral Associate**, *Digital Humanities Lab, Yale University*, New Haven, CT.
2017	**Visiting Researcher**, *Center for Data Science and Public Policy, University of Chicago*, Chicago, IL.
2016	**Visiting Fellow**, *Institute of Pure and Applied Mathematics, UCLA*, Los Angeles, CA.
2015–2017	**Researcher**, *Cultural Analytics Lab, Qualcomm Institute, UCSD*, La Jolla, CA.

Industry Experience

2015	**Data Scientist**, *Civic Knowledge, Inc.*, San Diego, CA.

Education

2015	**Ph.D., Philosophy and Cognitive Science**, *University of California, San Diego*, La Jolla, CA., Dissertation: *Sensory Underdetermination and Perceptual Constancy*.
2007	**B.A., Philosophy (with High Distinction)**, *University of Illinois at Urbana-Champaign*, Urbana, IL.

Refereed Papers

- **Damon Crockett**. ivpy: Iconographic Visualization Inside Computational Notebooks. *International Journal for Digital Art History*, 4, 2021.
- Nicholas Rogers, **Damon Crockett**, and Paul Messier. Steerable Pyramid for Texture Classification of Photographic Paper *In Proceedings of the 54th Asilomar Conference on Signals, Systems, and Computers*, pages 132–136. IEEE, 2020.
- Yuri Rykov, Oleg Nagorny, Herbert Natta, Olessia Koltsova, Alexander Kremenets, Lev Manovich, Damiano Cerrone, and **Damon Crockett**. Semantic and geospatial mapping of Instagram images in Saint-Petersburg. *AINL FRUCT: Artificial Intelligence and Natural Language Conference*, 2016.
- Miriam Redi, **Damon Crockett**, Lev Manovich, and Simon Osindero. What makes photo cultures different? *In Proceedings of the 2016 ACM on Multimedia Conference*, pages 287–291. ACM, 2016.
- **Damon Crockett**. Surface colour is not a perceptual content. *Australasian Journal of Philosophy*, 93(2):303–318, 2015.

Invited Papers

○ **Damon Crockett**. Direct visualization techniques for the analysis of image data: The slice histogram and the growing entourage plot. *International Journal for Digital Art History*, 2, 2016.

Refereed Talks and Posters

○ "Every Pixel on the Sunset Strip: Computer Vision and Photography", *Coalition for Networked Information (CNI) Spring Membership Meeting*, March 30 - 31 2020. With Peter Leonard. *(cancelled)*

○ "Visualizing Meta-Explanations in Early Intervention Systems for Police Departments", *IEEE VAST '17*, October 2017. With Joe Walsh, Klaus Ackermann, Andrea Navarette, and Rayid Ghani. (poster)

○ "Surface Color is not a Phenomenal Content", *APA Eastern Division Meeting*, December 2014

○ "Surface Color is not a Phenomenal Content", *Rutgers-Princeton Graduate Philosophy Conference*, April 2014

○ "Can Fregean Intentionalism Save Intentionalism?". *Metaphysics of Mind Graduate Conference*, University of Glasgow, June 2011

Invited Talks and Posters

○ "Analyzing Image Sets", *Data Analysis & Visualization for Conservation Professionals: Part 2*, AIC & FAIC Learning, April 6, 2021 (Zoom workshop)

○ "From Digitization to Automated Condition Surveys", *Technological Revolutions and Art History*, The Frick Art Reference Library and The Museum of Modern Art, March 11, 2021, (Zoom Conference)

○ "Data Management and Visualization", *Winterthur/University of Delaware Program in Art Conservation*, March 3, 2021, (Zoom video meeting)

○ "Microfade Testing and Yale's Collections", *Yale Institute for the Preservation of Cultural Heritage Internal Seminar Series*, April 8, 2020, (Zoom video meeting)

○ "Data Analysis in Cultural Heritage and Elsewhere", *Molecular Xylem Identification Project Meeting (MoXI)*, November 21-22, 2019, Yale University West Campus, West Haven, CT.

○ "Collections as Datasets", *Material Immaterial: Photographs in the 21st Century*, September 23-25, 2019, Yale University, New Haven, CT. (panel discussion)

○ "The Expressive Dimensions of Photographic Papers", *Material Immaterial: Photographs in the 21st Century*, September 23-25, 2019, Yale University, New Haven, CT.

○ "Neural Nets for Image Analysis", *Material Immaterial: Photographs in the 21st Century*, September 23-25, 2019, Yale University, New Haven, CT.

○ "iv.py: Iconographic Visualization in Python", *Yale Center for Research Computing Lightning Talk Series*, September 11, 2019, Yale University, New Haven, CT.

○ "The Expressive Dimensions of Photographic Papers", *Spring School Photos Paris: Recent Advances in Characterizing And Preserving Photographs*, May 10, 2019, Centre de Recherche sur la Conservation, Paris, France.

- "Photograph Conservation At Scale", *Materials and Meaning: Decoding and Preserving Cultural Heritage*, February 22, 2019, Yale University West Campus, West Haven, CT.
- "Yale Center for British Art Carte de Visite Collection as Dataset", *Yale Institute for the Preservation of Cultural Heritage Internal Seminar Series*, October 10, 2018, Yale University West Campus, West Haven, CT.
- "Visualizing Image Data Inside Computational Notebooks", *Beyond Boundaries 3rd Annual Symposium*, April 6, 2018, Yale University, New Haven, CT.
- "iv.py: A Python Module for Iconographic Visualization Inside Computational Notebooks", *Institute of Pure and Applied Mathematics, UCLA, Cultural Analytics Long Program Reunion*, December 11, 2017, Lake Arrowhead Conference Center, Lake Arrowhead, CA.
- "Crowd Culture: Analyzing Massive Social Media Image Data", *Frontiers of Innovation Scholarship Program Symposium*, October 31, 2017, University of California, San Diego.
- "Human-in-the-Loop Image Analysis with Computational Notebooks", *Cultural Heritage in Science and the Humanities Reading Group*, October 26, 2017, Yale University, New Haven, CT.
- "Data, Photography and the Emergence of Network Economy Photographics", *Social Informatics Conference*, on 13th – 17th November, 2016, Seattle. With Leon Gurevitch.
- "Does the Image Matter anymore? Big Data, Photography and the Emergence of Network Economy Camera Development", The University of Queensland, *Department of Film and Media Studies Seminar Series*, October 12th, 2016, Brisbane, Australia. With Leon Gurevitch.
- "Direct Visualization: What? When? Why? How?, *Bruin Woods Workshop*, Lake Arrowhead Conference Center, Lake Arrowhead, CA, June 2016.
- "Learning from Bias: A Visual Paradigm for Image Analysis", *Visualization Workshop*, Culture Analytics Program, Institute for Pure and Applied Mathematics, UCLA, May 2016
- "Bias: Perceptual Image Analysis", *Cultural Analytics and User Experience Design Workshop*, Institute of Pure and Applied Mathematics, UCLA, April 2016. (poster)
- "Visual Cultural Analytics Using the *ggplot* Library", *Visualization Workshop*, Culture Analytics Program, Institute for Pure and Applied Mathematics, UCLA, April 2016
- "Visualizing Image Data", *Lightning Talks*, Culture Analytics Program, Institute for Pure and Applied Mathematics, UCLA, March 2016
- "Direct Visualization as Visual Analytics", *Presentation for NASA officials*, Qualcomm Institute, August 2015
- "Idioglyph: Data Perceptualization for Conceptual Growth", *Information Visualization Seminar*, UCSD, May 2015.
- "Attention and Representation", *UCSD Graduate Philosophy Colloquium*, May 2012
- Comment on "Squaring E=K with Perceptual Knowledge: The Single State View", *Pacific APA*, April 2012

- "Probabilistic Causation and Moral Responsibility". *UCSD Graduate Philosophy Conference*, May 2011

Software

- *iv.py: Iconographic Visualization Inside Computational Notebooks*, GitHub URL: <https://github.com/damoncrockett/ivpy>
- *Wintour: Visualizing Predictive Models.* GitHub URL: <https://github.com/damoncrockett/wintour>

Web Projects

- Katherine Mintie, Adrienne Lundgren, **Damon Crockett**. *TIPPS: Tipped-In Photographic Prints From Early Photography Manuals.* URL: <https://tipps.yalepages.org/>
- Agustin Indaco, **Damon Crockett**, Daniel Sergeev, Mehrdad Yazdani, Lev Manovich. *Visual Earth.* URL: <http://visual-earth.net/>
- **Damon Crockett**, Leon Gurevitch. *Astrodata.* URL: <https://leonthegurevitch8.wixsite.com/astrodata/data>

Exhibition and Gallery

- *HomeostasisLab (digital gallery).* Brasil. 2021 (with Lev Manovich) <https://homeostasislab.org>
- *Wasserman Works.* Wasserman Projects. Detroit, MI. 2020 (with Mark Dineen)
- *11th Annual Art & Science Exhibition.* Colorado State University. Fort Collins, CO. February 26 - March 26, 2019. Awarded "jurors choice". (with Mark Dineen)
- *Timelines.* Artworks Loveland. Loveland, CO. January 2019. Featured in Times-Call Longmont article: <https://www.timescall.com/2019/01/03/timelines-exhibit-at-artworks-loveland-merges-art-and-data/> (with Mark Dineen)
- *Big Data Goes Art.* SAP exhibition space. Walldorf, Germany. April 2016.
- *The Need For My Care.* Waterfall Mansion and Gallery. New York, NY. February 3 - April 20, 2016. (with Lev Manovich)
- "SelfieCity London". *Big Bang Data.* Somerset, London. November 2015. (data analysis)
- *GLOBALE: Infosphere.* ZKM Center for Art and Media. Karlsruhe, Germany. September 5, 2015 - January 31, 2016.

Data Journalism (analysis and visualization)

- "San Diego's Growth Projections Are Consistently Off". *Voice of San Diego*, May 21, 2015. Story by Andrew Keatts. <http://www.voiceofsandiego.org/topics/land-use/sandag-isnt-good-at-predicting-population-growth/>

- "Civic San Diego Is Right – It's Faster at Issuing Permits". *Voice of San Diego*, March 5, 2015. Story by Andrew Keatts. <http://www.voiceofsandiego.org/topics/land-use/civic-san-diego-right-faster-issuing-permits/>
- "Why it Takes Either a Year or a Month to Get a Permit". *Voice of San Diego*, March 4, 2015. Story by Andrew Keatts. <http://www.voiceofsandiego.org/topics/land-use/the-economic-case-for-updating-community-plans/>
- "What's Driving Faster Permit Approvals". *Voice of San Diego*, March 3, 2015. Story by Andrew Keatts. <http://www.voiceofsandiego.org/topics/land-use/whats-driving-faster-permit-approvals/>
- "Yes, the City Is Getting Faster at Approving Permits". *Voice of San Diego*, March 2, 2015. Story by Andrew Keatts. <http://www.voiceofsandiego.org/topics/land-use/yes-city-getting-faster-approving-permits/>
- "How 5 Types of Permits Fared Over 10 Years". *Voice of San Diego*, March 2, 2015. Story by Andrew Keatts. <http://www.voiceofsandiego.org/topics/land-use/how-5-types-of-permits-fared-over-10-years/>
- "It Takes a Year to Get the Permits the City Wants Airbnb Hosts to Have". *Voice of San Diego*, February 11, 2015. Story by Andrew Keatts. <http://www.voiceofsandiego.org/topics/government/it-takes-a-year-to-get-the-permits-the-city-wants-airbnb-hosts-to-have/>

Workshops

- Researcher, *Ed Ruscha's Streets of Los Angeles*, Getty Research Institute, January 22-23, 2020.
- Researcher, *Ed Ruscha's Streets of Los Angeles*, Getty Research Institute, January 17-18, 2019.
- Data Analyst, *Digital Traces I: Meta-Morphologies of Saint Petersburg*, St. Petersburg, Russia, August 17-30, 2016.
- Organizer, "Multimodal Interaction". *UC Working Group in the Philosophy of Perception*, University of California, Berkeley, December 6, 2014.
- Organizer, "Perception and the Body". *UC Working Group in the Philosophy of Perception*, University of California, Los Angeles, March 1, 2014.
- Organizer, "Awareness of Space". *UC Working Group in the Philosophy of Perception*, University of California, San Diego, December 7, 2013.

Fellowships and Awards

- Visiting Fellowship. Culture Analytics Long Program. Institute of Pure and Applied Mathematics. University of California, Los Angeles
- Graduate Fellowship. Frontiers of Innovation Scholars Program (FISP). University of California, San Diego, 2015.
- Graduate Fellowship. University of California, San Diego, 2012-2014.
- Graduate Fellowship. University of Illinois at Urbana-Champaign, 2007-2008.
- Lois Shepherd Green Scholarship in Philosophy, 2007.

- Phi Beta Kappa. University of Illinois at Urbana-Champaign, 2007.

Teaching

UCSD	Phil 136: Philosophy of Mind.
	Phil 1: The Nature of Philosophy.
TA (UCSD)	Phil 12: Logic & Scientific Reasoning.
	Phil 13: Intro to Ethics.
	Phil 15: Intro to Epistemology.
	Phil 27: Ethics and Society I.
	Phil 28: Ethics and Society II.
	Phil 136: Philosophy of Mind.
	Phil 147: Philosophy of Action.
	Phil 162: Contemp. Moral Issues.
	Phil 163: Biomedical Ethics.
	Humanities 1: Foundations of Western Civilization.
	Humanities 2: Rome, Christianity, and the Middle Ages.
	Humanities 3: Renaissance, Reformation, and Early Modern Europe.
	Humanities 4: Enlightenment, Romanticism, Revolution.
	Humanities 5: Modern Culture.
TA (UIUC)	PHIL 101: Introduction to Philosophy.
	PHIL 102: Logic and Reasoning.

Advisees

Cynthia Yue, *Yale University*, Senior Thesis in Statistics and Data Science.

Service

- Contributor, *Held in Trust: Transforming Cultural Heritage Conservation for a More Resilient Future*, Foundation for Advancement in Conservation (FAIC) and National Endowment for the Humanities (NEH), 2023.
- Judge, *All Points West Symposium*, Yale University, April 2021.
- Referee, *Springer Publishing*
- Referee, *IEEE Computer Graphics and Applications* (CG&A)
- Referee, *Philosophy of Science*
- Referee, *Philosophical Psychology*
- Session Chair, Meeting of the *American Philosophical Association*, Pacific Division, San Diego, CA, March 2011.

References

- Paul Messier, Pritzker Director, Lens Media Lab, Yale University, paul.messier@yale.edu
- Lev Manovich, Professor, Computer Science, CUNY, manovich.lev@gmail.com
- Jonathan Cohen, Professor, Philosophy, UCSD, joncohen@aardvark.ucsd.edu
- Jim Hollan, Professor, Cognitive Science, UCSD, hollan@ucsd.edu
- Don MacLeod, Professor, Psychology, UCSD, dmacleod@ucsd.edu