

Samuel Goree

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Work Experience

2023 – Present

Assistant Professor

Stonehill College Computer Science

Tenure-track position with teaching, research and service responsibilities.

Classes Taught: Introduction to Programming, Introduction to Data Science, Data Structures, Data Visualization, Human-Computer Interaction.

2021

Summer Research Assistant

NYU Abu Dhabi. Abu Dhabi, UAE.

Worked with sociologist Dr. Kangsan Lee, to study applications of computer vision in the analysis of contemporary art markets.

2017 – 2018

Data Scientist

RTI International. Durham, NC.

Applied expertise in machine learning, advanced analytics, statistical modeling and web development to a variety of social science-motivated projects at a large research nonprofit.

Education

2018 – 2023

Indiana University – Bloomington, IN

PhD in Informatics, Intelligent and Interactive Systems track.

Minor in Digital Humanities. Advisor: David Crandall

2013 – 2017

Oberlin College – Oberlin, OH

BA in Computer Science and Musical Studies

Graduated with High Honors in Computer Science *GPA: 3.8.*

Scholarships and Grants

2024 – 2025

Stonehill College Pedagogical Design Grant

Internal seed grant to redesign introductory computer science assignments to better account for generative AI.

2020 – 2023

NSF Graduate Research Fellowship

The NSF GRFP recognizes and supports outstanding graduate students in NSF-supported STEM disciplines who are pursuing research-based degrees at accredited US institutions.

Peer-Reviewed Publications

- 2025 **Human-Centered Evaluation of Aesthetic Quality Assessment Models Using a Smartphone Camera Application**
Goree, S., Domingo, J., Crandall, D.
ACM Conference on Fairness, Accountability, and Transparency
- 2024 **Attention is All They Need: Exploring the Media Archaeology of the Computer Vision Research Paper**
Goree, S., Appleby, G., Crandall, D., Su, N.
Proceedings of the ACM in Human-Computer Interaction (CSCW 2024)
- 2024 **Social signals predict contemporary art prices better than visual features, particularly in emerging markets.**
Lee, K., Park, J., **Goree, S.**, Crandall, D., Ahn, Y.
Nature Scientific Reports
- 2023 **Whose Taste? Perspectivism and the Evaluation of Image Aesthetics Assessment Models in Computer Vision.**
Goree, S., Khoo, W., Crandall, D.
ECAI 2023 Workshop on Perspectivist Approaches to NLP
- 2023 **Situated Cameras, Situated Knowledges: Towards an Egocentric Epistemology for Computer Vision.**
Goree, S., Crandall, D.
CVPR 2023 Joint International 3rd Ego4D and 11th EPIC Workshop
- 2023 **Correct for Whom? Subjectivity and the Evaluation of Personalized Image Aesthetics Assessment Models**
Goree, S., Khoo, W., Crandall, D.
AAAI Conference on Artificial Intelligence 2023.
- 2022 **“It Was Really All About Books:” Speech-like Techno-Masculinity in the Rhetoric of Dot-Com Era Web Design Books**
Goree, S., Crandall, D., Su, N.
ACM Transactions on Computer-Human Interaction (TOCHI).
- 2022 **HyperNP: Interactive Visual Exploration of Multidimensional Projection Hyperparameters**
Appleby, G., Espadoto, M., Chen, R., **Goree, S.**, Telea, A., Anderson, E., Chang, R.
Eurographics Conference on Visualization (EuroViz) 2022.

- 2021 **What Does it Take to Cross the Aesthetic Gap? The Development of Image Aesthetic Quality Assessment in Computer Vision.**
Goree, S.
International Conference on Computational Creativity (ICCC) 2021.
- 2021 **Investigating the Homogenization of Web Design: A Mixed-Methods Approach.**
Goree, S., Doosti, B., Crandall, D., Su, N.
ACM CHI Conference on Human Factors in Computing Systems (CHI) 2021.
- 2020 **Studying Empirical Color Harmony in Design**
Goree, S., Crandall, D.
Third Workshop on Computer Vision for Fashion, Art and Design at CVPR 2020.
- 2018 **Pain Town, an Agent-Based Model of Opioid Use Trajectories in a Small Community.**
Bobashev, G., **Goree, S.**, Frank, J., Zule, W.
Social, Cultural, and Behavioral Modeling (eds Thomson, R. et al.) 2018

Other Publications

- 2021 **The Limits of Colorization of Historical Images by AI**
Goree, S.
Hyperallergic.com
- 2020 **Yes, Websites Really are Starting to Look More Similar**
Goree, S., Doosti, B., Crandall, D., Su, N.
The Conversation

Other Presentations

- December 2025 Is There a Human-Centered Computational Aesthetics?
MosAICs & BrAIns: the Computational Aesthetics of Mosaic Art
Incubator for Transdisciplinary Futures at Washington University in St. Louis
- May 2025 What is AI and How Are Our Students Using it?
Stonehill College Academic Development Day
- March 2024 Evaluating the Evaluators: How Should Critical AI Engage with Image Aesthetic Quality Assessment?
Boston Digital Humanities Symposium
- June 2022 Buying a Work of Art or an Artist? Impossibility and Possibility of Predicting Price of Artwork.
NYU Art + Data Conference 2022

- September 2021 Confronting Subjectivity in Computer Vision for Art and Design History.
ICCC Doctoral Consortium
- May 2021 Investigating the Homogenization of Web Design: A Mixed-Methods Approach.
Visualization Lab, Tufts University
- June 2020 Why Do All Websites Look the Same Now?
Emperor Design All Hands Meeting
- June 2019 Musical Interfaces, Metaphors and Online MIDI Keyboards.
Midwest Music and Audio Day

Theses

- 2023 Towards a Theory of Evaluation for Aesthetic Phenomenon Problems in Computer Vision *PhD Dissertation, Indiana University*
- 2017 Towards a Relative-Pitch Neural Network System for Chorale Composition and Harmonization.
Computer Science Honors Thesis, Oberlin College.
- 2017 Structure and Randomness in Iannis Xenakis' *Analogique A. Musical Studies Capstone Thesis, Oberlin College*

Professional Memberships and Service

- 2025–Present Stonehill College Curriculum Committee
- 2021–Present Member Association for Computing Machinery
- 2024–Present Faculty Advisor, Stonehill Association for Computing Machinery Student Club
- 2024 Stonehill Computer Science Hiring Committee
- 2023 Redesign of Stonehill Data Science major requirements
- 2018-2023 **Member** Graduate Informatics Student Association, Indiana Graduate Workers' Coalition
Peer Review ICLR, CHI, CSCW DIS, ISMIR, Leonardo.

Technical Skills

Programming languages

Proficient in: Python, R, Java, C#, HTML/CSS, Javascript
Familiar with: C, C++, SQL, Lisp, Scheme, NetLogo

Other Tools

Deep learning using PyTorch, Theano, TensorFlow; LaTeX, Git, Docker, React; Android app development

Other Skills

Ethnographic grounded theory, discourse analysis, historical webpage restoration