

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** – Blomington, 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.*

Honors and Scholarships

- 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

- 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

Presentations

- 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

- 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