

# Terence Broad

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## EXPERIENCE

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- **UAL Creative Computing Institute** London  
*Senior Lecturer*  
September 2022 - Present
  - Senior Lecturer teaching primarily postgraduate courses relating to AI, data science, programming and mathematical foundations and creative practices for working with AI.
- **Goldsmiths, University of London** London  
*Research Fellow*  
July 2025 - Present
  - Graduate school fellow at Goldsmiths, University of London.
- **UAL Creative Computing Institute** London  
*Acting Course Leader*  
Jan 2023 - May 2023; Jan 2025 - August 2025
  - Acting course leader for the MSc Data Science and AI for the Creative Industries to cover parental leave absence.
- **UAL Creative Computing Institute** London  
*Associate Lecturer*  
January 2022 - August 2022
  - Associate lecturer at the Creative Computing Institute at the University of The Arts London. Teaching machine learning, research methods and supervising dissertation projects on the MSc and MRes programmes in Creative Computing.
- **Goldsmiths, University of London** London  
*Teaching Assistant*  
September 2019 - June 2021
  - Teaching assistant in the Department of Computing, Goldsmiths, where I assisted in the teaching delivery and assessment for a wide range of undergraduate and postgraduate courses.
- **Vivacity Labs** London  
*Research Scientist*  
October 2017 - October 2018
  - Responsible for managing large bespoke datasets, training models and benchmarking and evaluating new methods and frameworks for low power IoT computer vision applications in the smart city sector.
- **Vivacity Labs** London  
*Machine Learning Engineer*  
October 2016 - October 2017
  - Worked in the software team that built the bespoke C++ library for doing on-device machine learning and data processing for IoT traffic sensors.

## EDUCATION

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- **Goldsmiths, University of London** London  
*PhD; Department of Computing*  
October 2018 - November 2024
- **Goldsmiths, University of London** London  
*MSci Creative Computing; Distinction*  
September 2012 - July 2016

## ACADEMIC THESES

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- **Expanding the Generative Space: Data-Free Techniques for Active Divergence with Generative Neural Networks** PhD Thesis, Goldsmiths, University of London, 2024.
- **Autoencoding Video Frames.** Masters Thesis, Goldsmiths, University of London, 2016.
- **Light Field Completion Using Focal Stack Propagation.** Undergraduate Thesis, Goldsmiths, University of London, 2015.

## JOURNAL ARTICLES

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- Terence Broad, Frederic Fol Leymarie and Mick Grierson, **Network Bending: Expressive Manipulation of Generative Models in Multiple Domains.** Entropy, 24(1), 2022.
- Terence Broad and Mick Grierson, **Autoencoding Blade Runner: Reconstructing films with artificial neural networks.** Leonardo, 50(4), 2017.

## CONFERENCE & WORKSHOP PROCEEDINGS

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- Ina Hrešć and Terence Broad, **Co-Designing Fashion with AI: A Small-Data Approach to Generative Garment Design.** Proceedings of the Sixteenth International Conference on Computational Creativity (ICCC), 2025. (Oral presentation)
- Nick Bryan-Kinns, Shuoyang Jasper Zheng, Francisco Castro, Makayla Lewis, Jia-Rey Chang, Gabriel Vigliensoni, Terence Broad, Michael Clemens, Elizabeth Wilson, **XAIxArts Manifesto: Explainable AI for the Arts.** Extended Abstracts of the CHI Conference on Human Factors in Computing Systems, 2025. (Oral presentation)
- Terence Broad, **Using Generative AI as an Artistic Material: A Hackers Guide.** XAIxArts: 2nd international workshop on eXplainable AI for the Arts at the ACM Creativity and Cognition Conference, 2024.
- Terence Broad, **Is computational creativity flourishing on the dead internet?** Proceedings of the Fifteenth International Conference on Computational Creativity (ICCC), 2024.
- Marissa Beaty and Terence Broad, **Envisioning Distant Worlds: Training a Latent Diffusion Model on NASA's Exoplanet Data.** NeurIPS Workshop on Machine Learning for Creativity and Design, 2023. (Oral presentation)
- Junichi Shimizu, Ireti Olowe, Terence Broad, Gabriel Vigliensoni, Prashanth Thattai and Rebecca Fiebrink **Interactive Machine Learning for Generative Models.** NeurIPS Workshop on Machine Learning for Creativity and Design, 2023.
- Terence Broad, Sebastian Berns, Simon Colton and Mick Grierson, **Active Divergence with Generative Deep Learning - A Survey and Taxonomy.** Proceedings of the Twelfth International Conference on Computational Creativity (ICCC), 2021. (Oral presentation)
- Sebastian Berns, Simon Colton, Christian Gucklesburger and Terence Broad, **Automating Generative Deep Learning for Artistic Purposes: Challenges and Opportunities.** Proceedings of the Twelfth International Conference on Computational Creativity (ICCC), 2021.
- Terence Broad, Frederic Fol Leymarie and Mick Grierson, **Network Bending: Expressive Manipulation of Deep Generative Models.** Proceedings of the 10th International Conference on Artificial Intelligence in Music, Sound, Art and Design (EvoMUSART), 2021. (Oral presentation)
- Terence Broad, Frederic Fol Leymarie and Mick Grierson, **Amplifying The Uncanny.** Proceedings of the 8th Conference on Computation, Communication, Aesthetics & X (xCoAx), 2020. (Oral presentation)
- Terence Broad and Mick Grierson, **Searching for an (un)stable equilibrium: experiments in training generative models without data.** NeurIPS Workshop on Machine Learning for Creativity and Design, 2019.
- Shaun Howell, Simon Cole, Terence Broad and Tommi Maatta, **IoT and Machine Learning for Next Generation Traffic Systems.** Transport Practitioners Meeting, 2018.
- Terence Broad and Mick Grierson, **Light Field Completion Using Focal Stack Propagation.** SIGGRAPH '16 Posters, 2016.

## WORKSHOPS, TUTORIALS AND ONLINE COURSES

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- MOOC course creator, *Creative AI: Sound, Music and Interaction*, Coursera, 2025.
- MOOC course creator, *Creative AI: Art and images*, Coursera, 2025.
- MOOC course creator, *Creative AI: Text and Transformations*, Coursera, 2025.
- MOOC course creator, *Introduction to Creative AI*, Coursera, 2025.
- Workshop organizer, *Making datasets for Generative AI*, BA Computational Arts, Camberwell College of Art, 2022.
- Tutorial organizer, *A Deep Dive into Latent Space: Image Generation and Manipulation with StyleGAN2*, International Conference on Computational Creativity (ICCC) 2020.

## PROFESSIONAL ACTIVITIES

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- Paper Reviewer, ACM CHI, 2026.
- Paper Reviewer, NeurIPS CreativeAI track, 2025.
- Paper Reviewer, NeurIPS CreativeAI track, 2024.
- Art Papers Reviewer, ACM SIGGRAPH ASIA, 2024.
- Art Papers Juror, ACM SIGGRAPH, 2024.
- Art Gallery Juror, NeurIPS Creativity Workshop Art Gallery, 2023.
- Art Papers Juror, ACM SIGGRAPH, 2023.
- Art Gallery Juror, NeurIPS Creativity Workshop Art Gallery, 2022.
- Reviewer for International Journal of Electrical and Computer Engineering, 2022.

- Art Papers Juror, ACM SIGGRAPH, 2021.
- Organising Committee, IGGI Conference, 2020.
- Ad hoc reviewer for Leonardo, 2019 - Present.
- Visiting Researcher, UAL Creative Computing Institute, 2019 - 2022.
- Guest Judge, Science Fiction Hackathon, Goldsmiths, University of London, 2018.
- Reviewer for IEEE Transactions on Image Processing, 2017.

## TEACHING EXPERIENCE

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- Unit Lead for *Multimedia Machine Learning*, UAL CCI (PG), Spring and Summer Term 2026.
- Unit Lead for *Personalisation and Machine Learning*, UAL CCI (PG), Summer Term 2025.
- Unit Lead for *AI for Media*, UAL CCI (PG), Spring Term 2025.
- Unit Lead for *Natural Language Processing for the Creative Industries*, UAL CCI (PG), Autumn Term 2024.
- Unit Lead for *Data Science in the Creative Industries*, UAL CCI (PG), Summer Term 2024.
- Unit Lead for *AI for Media*, UAL CCI (PG), Spring Term 2024.
- Unit Lead for *Natural Language Processing for the Creative Industries*, UAL CCI (PG), Autumn Term 2023.
- Lecturer for *Data Science for the Creative Industries*, UAL CCI (PG), Summer Term 2023.
- Lecturer for *Personalisation and Machine Learning*, UAL CCI (PG), Summer Term 2023.
- Lecturer for *Introduction to Data Science*, UAL CCI (PG), Spring Term 2023.
- Lecturer for *AI for Media*, UAL CCI (PG), Spring Term 2023.
- Lecturer for *NLP for the Creative Industries*, UAL CCI (PG), Autumn Term 2022.
- Lecturer for *STEM for Creatives*, UAL CCI (PG), Autumn Term 2022.
- Lecturer for *Coding 3: Exploring Machine Intelligence*, UAL CCI (PG), Summer Term 2022.
- Guest Lecturer for *Critical Studies*, UAL CCI (PG), Spring Term 2022.
- Lecturer for *Research Design and Experimental Data*, UAL CCI (PG), Spring Term 2022.
- Teaching Assistant for *Neural Networks*, Goldsmiths (UG), Spring Term 2021.
- Teaching Assistant for *Software Projects (Year 1)*, Goldsmiths (UG), Spring Term 2021.
- Teaching Assistant for *Introduction to Programming*, Goldsmiths (UG), Autumn Term 2020.
- Teaching Assistant for *Front End Web Development*, Goldsmiths (UG), Autumn Term 2020.
- Teaching Assistant for *Data and Machine Learning for Artist Practice*, Goldsmiths (PG), Spring Term 2020.
- Teaching Assistant for *Perception and Multimedia Computing: Graphics*, Goldsmiths (UG), Spring Term 2020.
- Teaching Assistant for *Data and Machine Learning for Creative Practice*, Goldsmiths (UG), Autumn Term 2019.
- Teaching Assistant for *Perception and Multimedia Computing*, Goldsmiths (UG), Autumn Term 2019.
- Teaching Assistant for *Creative Projects (Year 2)*, Goldsmiths (UG), Autumn Term 2019.

## BROADCAST MEDIA COVERAGE

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- **CBC Radio**, *CBC Spark: An Artificial Intelligence remake Blade Runner*, 2016.
- **Sky News**, *The emerging world of AI art*, 2016.

## PRINTED MEDIA COVERAGE

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- **MIT Technology Review**, *How AI can help supercharge creativity*, 2025.
- **Future Art Ecosystems 4**, *Serpentine Gallery*, 2024.
- **The State of the (CHI)Art**, *Miriam Sturdee, Makayla Lewis and Mafalda Gamboa*, 2023.
- **Discorrelated Images**, *Shane Denson*, Duke University Press, 2020.
- **Slightly Slipping on a Banana Skin**, *Stéphane Cecconi*, FMAC, 2018.
- **Into The Unknown: A Journey Through Science Fiction**, *Laura Clarke and Patrick Gyger*, Barbican International Enterprises, 2017.
- **AI: The Other I**, *Gerfried Stocker, Christine Shöpf, Hannes Leopoldseder*, Hatje Cantz Verlag, 2017.
- **CyberArts 2017**, *Gerfried Stocker, Christine Shöpf, Hannes Leopoldseder*, Hatje Cantz Verlag, 2017.
- **The New York Times**, *Diving Into Movie Palaces of the Mind at the Whitney*, 2016.
- **The Wall Street Journal**, *At the Whitney, a Different Take on the Moving Image*, 2016.

## DIGITAL MEDIA COVERAGE

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- **The Verge**, *What happens when you feed AI nothing*, 2025.
- **London Evening Standard**, *The Leader Podcast: Would you buy AI art for your home?*, 2023.
- **New Scientist**, *This science fiction trip is delightful, confusing – and risky*, 2017.
- **The Independent**, *Blade Runner, Autoencoded: The strange film that sums up our fears of AI and the future*, 2017.
- **Motherboard**, *The Neural Net That Recreated ‘Blade Runner’ Has the Movie Stuck in Its Memory*, 2017.
- **AQNB**, *The future is only an extension of our past: BB9 + beyond*, 2016.
- **Vox**, *A guy trained a machine to “watch” Blade Runner. Then things got seriously sci-fi.*, 2016.
- **TechCrunch**, *Oculus Hack Uses Cameras And Music To Mess With Your Perception.*, 2014.