CV

A. General Information

Name	Anran Qi
Date of Birth	24/10/1995
Contact Information	anran.qi@inria.fr
Website	https://anranqi.github.io/
ORCID	0000-0001-7532-3451
Current Position	Postdoctoral Researcher at Inria Centre at Université Côte d'Azur, France
Research Interests	Computational design methods for creative and human-centric applications, with a focus on garments and human sketching from AI, HCI and CG perspective.

B. Professional Experience

- 01/12/2023 – Current: **Postdoctoral Researcher** at the GraphDeco, Inria Centre at Université Côte d'Azur (Sophia Antipolis, France)
  - Supervisor: Dr. Adrien Bousseau
  - Research topic: Research on computer-aided design tools to support novices in upcycling garments.
- 01/04/2023 – 30/11/2023: **Project Assistant Professor** at the University of Tokyo (Tokyo, Japan).
  - Supervisor: Prof. Dr. Takeo Igarashi
  - Research topic: Designing garment editing system in Screen and XR environment
- 01/11/2021 – 31/03/2023: **Postdoctoral Researcher** at the University of Tokyo (Tokyo, Japan).
  - Supervisor: Prof. Dr. Takeo Igarashi
  - Research topic: Designing and implementing garment reediting system to support the user redesign the garment on 2D interface
- 01/01/2020 – 30/06/2020: **Assistant Research Engineer** at Samsung Electronics (Staines, UK).
  - Line Manager: Dr. Mete Ozay
  - Research topic: Developing probability model to predict personalized image edit from editing history

C. Education

- 01/09/2017 – 31/10/2021: **Ph.D. Degree in Computer Science** by University of Surrey (UK)
  Supervisor: Prof. Yi-zhe Song, Dr. Yulia Gryaditskaya
  Doctoral thesis: Retrieval and Personalised Segmentation of Amateur Free-Hand Sketches
- 01/09/2013 – 30/06/2017: **Bachelor of Science with Honours (First Class)** at the Queen Mary University of London (UK) and **Bachelor of Engineering** at the Beijing University of Posts and Telecommunications (China)

D. Awards and Grants

D.1 Awards

- **Best Paper Award**: de Malefette Charles, ***Anran Qi***, Amal Dev Parakkat, Marie-Paule Cani, and Takeo Igarashi. "PerfectDart: Automatic Dart Design for Garment Fitting." In SIGGRAPH Asia 2023 Technical Communications, pp. 1-4. 2023.
- **Best XR Demo Award**: Kiuchi Akihiro, ***Anran Qi***, Eve Mingxiao Li, David Maruscsak, Christian Sandor, and Takeo Igarashi. "PerfectFit: Custom-Fit Garment Design in Augmented Reality." In SIGGRAPH Asia 2023 XR, pp. 1-2. 2023.
- **Excellent Graduate Student**, Queen Mary University of London (10/334), 2017

D.2 Funding

- "Seal of Excellence" MSCA Postdoctoral Fellowships 2024
- Franco-Australian Hubert Curien Partnership 2025 (EURO 3K)

D.3 Participation in Funded Projects

- Postdoctoral Researcher(2023-current) in ANR project (France, EUR 500K)
  - PI: Dr. Theophanis TSANDILAS
  - Title: Graphical Languages for Creating Infographics
- Project Assistant Professor (2022-2023)/ Postdoctoral Researcher (2021-2022) in JST CREST project (Japan, EUR 1.85M)
  - PI: Prof. Dr. Takeo Igarashi
  - Title: Interaction techniques for understanding and control of data-driven intelligent information systems

E. Publications

International Journal (Peer-reviewed)

[J.4] ***Anran Qi***, Heophanis Tsandilas, Ariel Shamir and Adrien Bousseau, "Sketch2Data: Recovering Data from Hand-Drawn Infographics", Accepted with minor revision, IEEE Computer & Graphics.

[J.3] ***Anran Qi*** and Takeo Igarashi, "PerfectTailor: Scale-Preserving 2D Pattern Adjustment Driven by 3D Garment Editing," in IEEE Computer Graphics and Applications, doi: 10.1109/MCG.2024.3378171

[J.2] ***Anran Qi***, Yulia Gryaditskaya, Tao Xiang, and Yi-Zhe Song, "One Sketch for All: One-Shot Personalized Sketch Segmentation," in IEEE Transactions on Image Processing, vol. 31, pp. 2673-2682, 2022

[J.1] ***Anran Qi***, Yulia Gryaditskaya, Jifei Song, Yongxin Yang, Yonggang Qi, Timothy M. Hospedales, Tao Xiang, and Yi-Zhe Song. "Toward fine-grained sketch-based 3d shape retrieval." IEEE transactions on image processing, vol 30 pp. 8595-8606, 2022

International Conference (Peer-reviewed)

[C.11] ***Anran Qi,*** Nico Pietroni, Maria Korosteleva, Olga Sorkine-hornung, Adrien Bousseau. "*Rags2Riches: Computional Garment Reuse*", conditionally accepted to SIGGRAPH 2025

[C.10] Yuki Tatsukawa, ***Anran Qi,*** I-Chao Shen and Takeo Igarashi. "GarmentImage: Raster Encoding of Garment Sewing Patterns with Diverse Topologies", conditionally accepted to SIGGRAPH 2025

[C.9] Yuki Tatsukawa, I-Chao Shen, Mustafa Doga Dogan, ***Anran Qi,*** Yuki Koyama, Ariel Shamir and Takeo Igarashi. "FontCraft: Multimodal Font Design Using Interactive Bayesian Optimization" In CHI 2025

[C.8] Yuta Fukushima, ***Anran Qi***, I-Chao Shen, Yulia Gryaditskaya, and Takeo Igarashi. "3D Reconstruction from Sketch with Hidden Lines by Two-Branch Diffusion Model." In Euro Graphics 2024 - Short Papers

[C.7] Tatsukawa Yuki, I-Chao Shen, ***Anran Qi***, Yuki Koyama, Takeo Igarashi, and Ariel Shamir. "FontCLIP: A Semantic Typography Visual-Language Model for Multilingual Font Applications." In Computer Graphics Forum, p. e15043. 2024

[C.6] de Malefette Charles, ***Anran Qi***, Amal Dev Parakkat, Marie-Paule Cani, and Takeo Igarashi. "PerfectDart: Automatic Dart Design for Garment Fitting." In SIGGRAPH Asia 2023 Technical Communications, pp. 1-4. 2023. ***Best Paper Award***

[C.5] Kiuchi Akihiro, ***Anran Qi***, Eve Mingxiao Li, David Maruscsak, Christian Sandor, and Takeo Igarashi. "PerfectFit: Custom-Fit Garment Design in Augmented Reality." In SIGGRAPH Asia 2023 XR, pp. 1-2. 2023. ***Best XR Demo Award***

[C.4] Eve Mingxiao Li, ***Anran Qi***, Mauricio Sousa, and Tovi Grossman. "EnchantedBrush: Animating in Mixed Reality for Storytelling and Communication." In Graphics Interface 2023-second deadline.

[C.3] Yuta Fukushima, ***Anran Qi***, I-Chao Shen, and Takeo Igarashi. "OVERPAINT: Automatic Multi-Layer Stencil Generation without Bridges." In SIGGRAPH Asia 2022 Technical Communications, pp. 1-4. 2022.

[C.2] Sauradip Nag*, Nisarg A. Shah*, ***Anran Qi****, and Raghavendra Ramachandra. How Far Can I Go?: A Self-Supervised Approach for Deterministic Video Depth Forecasting, NeurIPS 2022 Workshop on Machine Learning for Autonomous Driving.

[C.1] ***Anran Qi***, Yi-Zhe Song and Tao Xiang, "Semantic Embedding for Sketch-Based 3D Shape Retrieval." In The British Machine Vision Conference, Vol. 3. 2018.

F. Technical Program Committee Member

- EUROGRAPHICS 2025

G. Invited talks

- XR&AI Summer School 2024, Matera, Italy
- International Symposium on Intelligence Design 2024, virtual, China

H. Reference Details

Dr. Adrien Bousseau, Senior Researcher, Inria, France. Email: adrien.bousseau@inria.fr
Prof. Takeo Igarashi, Professor, the University of Tokyo, Japan. Email: takeo@acm.org
Prof. Yi-zhe Song, Professor, the University of Surrey, UK. Email: y.song@surrey.ac.uk