

Wei-Lin (Kimberly) HSIAO

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EDUCATION

- 2017 - PRESENT **The University of Texas at Austin, TX, USA**
Ph.D. in COMPUTER SCIENCE
· Advisor: Prof. Kristen Grauman
- 2015 - 2017 **The University of Texas at Austin, TX, USA**
M.S. in COMPUTER SCIENCE
- 2011 - 2015 **National Taiwan University, Taipei, Taiwan**
B.S. in ELECTRICAL ENGINEERING

RESEARCH INTERESTS

My research interests are broadly in computer vision and machine learning, with a focus on computer vision for culture, art, and fashion understanding. My work explores topics in image generation, multi-modality learning, fine-grained recognition, and 3D vision.

EXPERIENCE

- 2020 - PRESENT **Facebook AI Research (FAIR), Austin, TX**
Visiting Researcher
· Research on modeling the influence of culture on fashion.
- 2018 **Facebook AI Research (FAIR), Menlo Park, CA**
Research Intern
· Mentor/Collaborator: Kristen Grauman, Devi Parikh.
· Research on image generation for fashion [ICCV 2019].

PUBLICATIONS

- [1] **From Culture to Clothing: Discovering the World Events Behind A Century of Fashion Images**
Wei-Lin Hsiao, Kristen Grauman
arXiv, 2021
- [2] **Learning patterns of tourist movement and photography from geotagged photos at archaeological heritage sites in Cuzco, Peru**
Nicole D. Payntar, Wei-Lin Hsiao, R. Alan Covey, Kristen Grauman
Journal of Tourism Management, 2021
- [3] **ViBE: Dressing for Diverse Body Shapes**
Wei-Lin Hsiao, Kristen Grauman
CVPR, 2020 ([Oral](#))
- [4] **Fashion++: Minimal Edits for Outfit Improvement**
Wei-Lin Hsiao, Isay Katsman*, Chao-Yuan Wu*, Devi Parikh, Kristen Grauman
ICCV, 2019

- [5] **Creating Capsule Wardrobes From Fashion Images**
Wei-Lin Hsiao, Kristen Grauman
CVPR, 2018 ([Spotlight Oral](#))
- [6] **Learning the Latent “Look”: Unsupervised Discovery of a Style-Coherent Embedding from Fashion Images**
Wei-Lin Hsiao, Kristen Grauman
ICCV, 2017

PROFESSIONAL ACTIVITIES

- **Organizer:** UT Austin Vision Reading Group, 2019-present
- **Member:** Junior Graduate Admissions Committee, 2018-2019
- **Participant:** EECS Rising Stars, Berkeley, 2020
- **Reviewer:** CVPR 2018, 2019, 2020, 2021
- **Reviewer:** ECCV 2018, 2020
- **Reviewer:** ICCV 2019
- **Teaching Assistance:** Visual Recognition (CS 381V) 2017
- **Student Volunteer (Travel Grant):** CVPR 2016

OPEN-SOURCE SOFTWARE

- 2020 ViBE: Dressing for Diverse Body Shapes
<https://github.com/facebookresearch/vibe>
- 2019 Fashion++: Minimal Edits for Outfit Improvement
<https://github.com/facebookresearch/FashionPlus>
- 2017 Learning the Latent “Look”
<https://github.com/wlhsiao/Mallet>

PRESS COVERAGE

- **CVPR Daily**, [Dressing for Diverse Body Shapes](#), 2020
- **Tech@facebook**, [Using AI to enhance tourism](#), 2020
- **TNW**, [Wake up sheeple: AI shows all tourists basically take the same picture](#), 2020
- **TechXplore**, [Facebook zeroes in on tourist photography habits](#), 2020
- **WWD**, [Inside Facebook’s Bid to Crack the Fashion AI Code](#), 2020
- **VentureBeat**, [Facebook details the AI behind its shopping experiences](#), 2020
- **UT-Austin News (Science & Tech)**, [Artificial Intelligence System Gives Fashion Advice](#), 2019
- **WIRED**, [Skirt or Jeans? Now an AI Can Offer You Styling Tips](#), 2019

- [deeplearning.ai](#), [Hope For the Fashion-Challenged](#), 2019
- [VentureBeat](#), [Fashion++ turns your fashion Don't into a Do with minimal tweaks](#), 2019
- [Vogue](#), [Facebook experiments with AI-powered styling program](#), 2019
- [Elle](#), [Facebook Is Developing Artificial Intelligence That Offers Trend Advice To Make You More 'Fashionable'](#), 2019
- [Engadget](#), [Facebook's latest AI experiment helps you pick what to wear](#), 2019

HONOR

- Rising Star in EECS, 2020
- “Dressing for Diverse Body Shapes” featured in CVPR Daily, 2020.

TALKS AND PRESENTATIONS

- Computational Fashion Understanding
 - UT-Austin CS, June 2020
- ViBE: Dressing for Diverse Body Shapes
 - CVPR Oral talk, June 2020
 - Third Workshop on Computer Vision for Fashion, Art and Design, June 2020
 - UT-Austin AI/ML meeting, Nov 2019
- Creating Capsule Wardrobes From Fashion Images
 - CVPR Spotlight Oral talk, June 2018
 - 2nd Workshop on Visual Understanding by Learning From Web Data, June 2018
- Learning the Latent “Look”: Unsupervised Discovery of a Style-Coherent Embedding from Fashion Images
 - Computer Vision For Fashion, ICCV 2017