

PhD Deep Learning Researcher in computational pathology; 4 US patents, 10+ top-tier publications.

Experience

- 2023 - Now **Deep Learning Researcher** - Agendia, Netherlands
- Developed novel biomarkers for breast cancer recurrence; patent filed and IVDR submission in progress.
 - Drove full stack: ideation → algorithm development → implementation → containerization and deployment.
- 2022 - 2023 **Postdoctoral Researcher** - TU Eindhoven, Netherlands
- Supervised 5+ PhD/MSc students; work led to publications at ECCV and BMVC.
 - Developed continual pre-training of foundation models via self-supervision.
- 2020 - 2021 **Research Scientist Intern** - Huawei, Finland
- Improved large-scale mobile visual search engine performance.
- 2017 - 2022 **Graduate Research Assistant** - Qualcomm (QUVA) Labs, Netherlands
- Built text-interactive visual search algorithms; patent approved.
 - Worked on deep vision from search to detection and recognition; resulted in 4 patents and several publications.

Education

- 2017 - 2022 **PhD in Deep Learning** - University of Amsterdam, Netherlands
 Thesis: *Contextual Understanding of Visual Interactions*
 Keywords: human-object interaction, weak supervision, retrieval
- 2013 - 2016 **MSc in Computer Vision** - Hacettepe University, Turkey
 Thesis: *Visual Importance with Applications to Vision and Language*

Selected Publications

HyTAS: A Transformer Architecture Search Benchmark (ECCV 2024)
Locality-Aware ViTs for Hyperspectral Imaging (BMVC 2023)
Are Labels Needed for Incremental Instance Learning? (CVPRW 2023, Oral)
Structured Visual Search via Composition-aware Learning (WACV 2021)
HOI Detection via Weak Supervision (BMVC 2021)
Re-evaluating Automatic Metrics for Image Captioning (EACL 2017, Oral)

Patents

Visual Search via Conversational Interaction (*Huawei*, 2022)
 Network for Interacted Object Localization (*Qualcomm*, 2021)
 Context-driven Learning of Human-Object Interactions (*Qualcomm*, 2020)
 Subject-Object Interaction Recognition Model (*Qualcomm*, 2019)

Technical Skills

Stack PyTorch, TensorFlow, HuggingFace, OpenCV, Docker, Weights&Biases, Ray
Libraries Scikit-Learn, Pandas, NumPy, SciPy
Languages Python, C/C++

Service & Awards

Reviewer CVPR (25), ECCV (24), ICML (23, 24), NeurIPS (23, 24), ICLR (23, 24), EMNLP (21-23)
Award Best Reviewer (ECCV 2024)