

Kilichbek Haydarov

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Research Interests: multimodal learning, affective vision and language, generative models

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EDUCATION

- **King Abdullah University of Science and Technology** Thuwal, Saudi Arabia
PhD - Computer Science *January 2022 - Present*
Supervisor: Mohamed Elhoseiny
- **King Abdullah University of Science and Technology** Thuwal, Saudi Arabia
MS - Computer Science *September 2020 - December 2021*
Thesis: "Towards Affective Vision and Language". Committee: Mohamed Elhoseiny (advisor), Peter Wonka, Dominik L. Michels
- **Sejong University** Seoul, South Korea
BS - Computer Science and Engineering *March 2016 - February 2020*

PUBLICATIONS

- **Adversarial Text to Continuous Image Generation:** [K Haydarov](#), A Muhamed, X Shen, J Lazarevic, I Skorokhodov, Ch Galappaththige, M Elhoseiny (CVPR24)
- **Affective Visual Dialog: A Large-Scale Benchmark for Emotional Reasoning Based on Visually Grounded Conversations:** [K Haydarov](#), X Shen, A Madasu, M Salem, J Li, G Elsayed, M Elhoseiny (under review)
- **Video chatcaptioner: Towards the enriched spatiotemporal descriptions:** J Chen, D Zhu, [K Haydarov](#), X Li, M Elhoseiny (under review)
- **Chatgpt asks, blip-2 answers: Automatic questioning towards enriched visual descriptions:** D Zhu, J Chen, [K Haydarov](#), X Shen, W Zhang, M Elhoseiny (under review)
- **It is Okay not to be Okay: Overcoming Emotional Bias in Affective Image Captioning by Contrastive Data Collection:** Y Mohamed, FF Khan, [K Haydarov](#), M Elhoseiny (CVPR 2022)
- **Artemis: Affective language for visual art:** P Achlioptas, M Ovsjanikov, [K Haydarov](#), M Elhoseiny, LJ Guibas (CVPR 2021)

TEACHING EXPERIENCE

- **King Abdullah University of Science and Technology** Thuwal, Saudi Arabia
Teaching Assistant *Spring 2023*
 - Deep Generative Models
- **Sejong University** Seoul, South Korea
Teaching Assistant *Fall 2019*
 - Data Structures and Algorithms

INTERNSHIPS

- **Intelligent Media Lab** Seoul, South Korea
Research Intern (Part-Time) *Jul 2019 - Feb 2020*
 - **Anomaly Detection:** Studied anomaly behaviours in videos.
 - **Energy Forecasting:** Assisted in building energy forecasting pipeline for residential areas.
- **VR Comet** Seoul, South Korea
Web Developer Intern (Full-Time) *Jan 2018 - Feb 2018*
 - **Front-End and Back-End:** Build a website for a start-up company specializing in VR-based education.

SKILLS SUMMARY

- **Languages:** Python, C, C++, JavaScript, Matlab, SQL, Bash
- **Frameworks:** Scikit, NLTK, SpaCy, PyTorch, Keras, OpenCV, Numpy, Pandas
- **Tools:** GIT, MongoDB, MySQL
- **Platforms:** Linux, Windows, Raspberry, AWS

SERVICES

- **ICCV23: 5th Workshop on Closing the Loop between Vision and Language** Paris, France
Co-organized the workshop in ICCV23 *Oct 2023*
- **Reviewer** Online
Served as reviewer for ICCV23, CVPR23 *2023*
- **SAAI Factory - Hackathon on Art and AI** Thuwal, Saudi Arabia
Gave a tutorial session on using text to image generation models *June 2021*

SCHOLARSHIPS AND AWARDS

- **KAUST Fellowship** Thuwal, Saudi Arabia
fully funded fellowship supports for the duration of my graduate studies Aug 2020
 - **National Program for Excellence in Software Scholarship** Seoul, South Korea
80% tuition fee waiver based on excellence in CS program Feb 2019
 - **Foreign Student Scholarship × 5** Seoul, South Korea
60-80% tuition fee waiver based on academic performance 2016 - 2019
 - **Honours Scholarship (× 4)** Seoul, South Korea
60-80% tuition fee waiver based on TOP3 academic performance within CS department 2016 - 2019
 - **Special Scholarship** Seoul, South Korea
40% tuition fee waiver due to university achievement Sep 2017
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- **2nd SAAI Factory Hackathon** Online
our Art + AI project received TOP 1 Prize Jul 2023
 - **Global AI Summit AI Artathon** Riyadh, Saudi Arabia
among TOP 15 and our work was showcased at Global AI Summit and Dubai Expo Jan 2022
 - **NeurIPS Workshop on ML for Creativity and Design** Online
Our artworks on “AI constructing emotional experience from the text” were showcased Dec 2021
 - **SW & AI Hackathon** Seoul, South Korea
2nd Runner-up: our team created a chatbot which assists students at university campus Dec 2019
 - **SW Coding Competition** Seoul, South Korea
3rd Runner-up in our university competition Nov 2019
 - **SW & AI Hackathon** Seoul, South Korea
1st Runner-up: our team created a recommender system to assist students in choosing courses Jun 2019