Kilichbek Haydarov

Webpage: kilichbek.github.io
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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, Saudia 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, Ch Galappaththige, M Elhoseiny (under review)

- **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 / *Aug 2020*
  fully funded fellowship supports for the duration of my graduate studies

- **National Program for Excellence in Software Scholarship** — Seoul, South Korea / *Feb 2019*
  80% tuition fee waiver based on excellence in CS program

- **Foreign Student Scholarship × 5** — Seoul, South Korea / *2016 - 2019*
  60-80% tuition fee waiver based on academic performance

- **Honours Scholarship (× 4)** — Seoul, South Korea / *2016 - 2019*
  60-80% tuition fee waiver based on TOP3 academic performance within CS department

- **Special Scholarship** — Seoul, South Korea / *Sep 2017*
  40% tuition fee waiver due to university achievement

- **2nd SAAI Factory Hackathon** — Online / *Jul 2023*
  our Art + AI project received TOP 1 Prize

- **Global AI Summit AI Artathon** — Riyadh, Saudi Arabia / *Jan 2022*
  among TOP 15 and our work was showcased at Global AI Summit and Dubai Expo

- **NeurIPS Workshop on ML for Creativity and Design** — Online / *Dec 2021*
  Our artworks on "AI constructing emotional experience from the text" were showcased

- **SW & AI Hackathon** — Seoul, South Korea / *Dec 2019*
  2nd *Runner-up: our team created a chatbot which assists students at university campus*

- **SW Coding Competition** — Seoul, South Korea / *Nov 2019*
  3rd *Runner-up in our university competation*

- **SW & AI Hackathon** — Seoul, South Korea / *Jun 2019*
  1st *Runner-up: our team created a recommender system to assist students in choosing courses*