Khoi Viet Pham

https://vkhoi.github.io

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Education

University of Maryland

College Park, MD, USA

- PhD in Computer Science; Advisor: Larry S. Davis

Aug. 2017 – Present

VNUHCM - University of Science

Ho Chi Minh City, Vietnam

- Bachelor of Science in Computer Science; GPA: 3.90

Oct 2012 – Oct 2016

Research Interest

Computer Vision and Deep Learning

- Currently, I'm exploring using active learning to train deep neural networks.

Work Experience

Google, Software Engineering Intern, PhD

Mountain View, CA

Supervisor: Dr. Junfeng He

May 2018 – Aug 2018

– Joined the Attention team in Google AI, worked on on-device personalized method for gaze estimation.

– Proposed a novel few-shot learning approach that can personalize the base model to a specific user, effectively improve its accuracy using very few calibration points, and work in real-time (*in progress for publication*).

Google, Software Engineering Intern

Mountain View, CA

Supervisor: Vinh Ly

May 2016 – Aug 2016

– Worked in the Google Assistant team on a natural language processing project.

– Wrote context-free grammar to parse user voice query, developed search contact feature for the Google Assistant app on Android.

Research Experience

SHREC'17: Deformable Shape Retrieval with Missing Parts
Rodola et al., in Eurographics Workshop on 3D Object Retrieval, 2017.

SHREC'17: Point-Cloud Shape Retrieval of Non-Rigid Toys
Limberger et al., in Eurographics Workshop on 3D Object Retrieval, 2017.

SHREC'16: Partial Shape Queries for 3D Object Retrieval
Pratikakis et al., in Eurographics Workshop on 3D Object Retrieval, 2016.

Virtual Music Teacher for New Music Learners with Optical Music Recognition
Viet-Khoi Pham, Hai-Dang Nguyen, Minh-Triet Tran, in the 17th International Conference on Human-Computer Interaction, 2015.

Apply Lightweight Recognition Algorithms in Optical Music Recognition
Viet-Khoi Pham, Hai-Dang Nguyen, Tung-Anh Nguyen-Khac, Minh-Triet Tran, in the 7th International Conference on Machine Vision, 2014.

Programming Skills

– **Programming Languages**: Python, C/C++, Java, Javascript, MATLAB.

– **Operating Systems**: MacOS, Linux, Windows.

– **Tools**: PyTorch, Tensorflow, OpenCV; Web: NodeJS, AngularJS, Bootstrap; Mobile: Android.

Honors & Awards

– **63rd** place in ACM-ICPC World Finals, 2016.

– **1st** prize in ACM-ICPC Asia Regional, Hanoi 2015.

– **1st** prize in ACM-ICPC Vietnam National 2014.