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Affect and Cognition Lab
Human Neuroscience Institute
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OBJECTIVE

Detail-oriented bench researcher with substantial background in artificial intelligence, affective computation, neuroscience, emotion recognition, and business aim to achieve excellence and increase productivity using scientific knowledge to solve practical problems

EDUCATION

2018-2022

D.Eng. Information and Communication Engineering

South China University of Technology, Guangzhou City, China

Thesis: Multimodal Physiological Data Analysis for Emotion

Recognition

Advisor: Xiangmin Xu

2016-2018

M.Eng. Information and Communication Engineering

South China University of Technology, Guangzhou City, China

Thesis: Research on Emotion Recognition and Feature Learning

Methods Based on Multimodal Human Data

Advisor: Xiangmin Xu

2012 – 2016

B.Eng. Computer Science and Technology

South China University of Technology, Guangzhou City, China

Thesis. Online Design and Implementation System

Advisor: Li Jian

2011 – 2012

Diploma, Chinese Language Program

South China University of Technology, Guangzhou City, China

2007-2011

West Africa Senior Secondary School Certificate Examination

General Science

Presbyterian Boys' Secondary School, Legon-Accra, Ghana

PROFESSIONAL EXPERIENCE

2023-Date

Vice Chairman

Institute of Electrical and Electronics Engineers (IEEE)
Ithaca Section

2022-Date

Postdoctoral Associate

Affect and Cognition Lab
Department of Psychology
Cornell University
Ithaca 14853 NY-USA

2022-Date

Chairman and Chief Executive Officer

KooTech Trading Company Limited

2016-2022

Research Assistant

Center for Human Body Data Science
School of Electronic and Information Engineering
South China University of Technology
Guangzhou 510641, GD-China

2011-Date

Chairman and Chief Executive Officer

Perry Fordson Companies

AWARDS AND HONORS

2018

CSC Scholarship

2016

SCUT Outstanding Leadership Award

2012

SCUT Best Student and Full Attendance Award

LANGUAGES

Ewe
English
Chinese
French

PUBLICATIONS

Hayford Perry Fordson, Xiaofen Xing, Kailing Guo, Xiangmin Xu, Adam Anderson, and Eve DeRosa (2023). “*Hyper Enhanced Learning System for Emotion Recognition*”. In: Obeid, I., Picone, J., Selesnick, I. (eds) *Signal Processing in Medicine and Biology*. Springer, Cham.
doi:10.1007/978-3-031-21236-9_1

Hayford Perry Fordson, Katherine Gardhouse, Nicholas, Cicero, Junichi Chikazoe, Adam Anderson and Eve DeRosa, “*A Novel Deep Learning Based Emotion Recognition Approach To Well Being from Fingertip Blood Volume Pulse*”. *Proceedings of the 2022 IEEE International Conference on Machine Learning and Cybernetics (ICMLC) 2022*. pp. 130-137.
doi:10.1109/ICMLC56445.2022.9941301

Hayford Perry Fordson, Xiaofen Xing, Kailing Guo and Xiangmin Xu. “*Emotion Recognition With Knowledge Graph Based on Electrodermal Activity*”, *Front. Neurosci.* 16:911767. pp. 1-12 (2022).
doi: 10.3389/fnins.2022.865201

Hayford Perry Fordson, Xiaofen Xing, Kailing Guo and Xiangmin Xu. “*Not All Electrode Channels Are Needed: Knowledge Transfer From Only Stimulated Brain Regions for EEG Emotion Recognition*”, *Front. Neurosci.* 16:865201. pp. 1-13 (2022).
doi:103389/fnins.2022.911767

Hayford Perry Fordson, Xiaofen Xing, Kailing Guo and Xiangmin Xu “*A Feature Learning Approach Based on Multimodal Human Body Data for Emotion Recognition*”, 2021 *IEEE Signal Processing in Medicine and Biology Symposium (SPMB) 2021*, pp. 1-6.
doi:10.1109/spmb52430.2021.9672303

Shuzhen Li, Xiaofen Xing, Weiquan Fan, Bolun Cai, **Perry Fordson**, and Xiangmin Xu. “*Spatiotemporal and frequential cascaded attention networks for speech emotion recognition*”, *Neurocomputing* 448 (2021) 238-248.
doi: 10.1016/j.neucom2021.02.094.