EUNJEONG STELLA KOH

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EDUCATION

UC San Diego
Ph.D. in Computer Music (Specialization: Artificial Intelligence)
San Diego, CA
Sep.2016-Present

Seoul National University
M.S. in Engineering (Specialization: Human-Computer Interaction)
Seoul, Korea
Mar.2012-Feb.2014

Ewha Womans University
B.S. in Computer Science and Engineering
Seoul, Korea
Mar.2008-Feb.2012

RESEARCH INTEREST

Machine Learning, Statistical Modeling, Music Information Retrieval, Music Cognition, Human-Computer Interaction

EMPLOYMENT

Adobe Research
Creative Intelligence Lab Intern. Mentor: Timothy Langlois
Seattle, WA
Jun.2020–Sep.2020

Qualcomm Technologies
Audio Research Intern. Mentor: Yinyi Guo
San Diego, CA
Jun.2019–Sep.2019

Gracenote
Applied Research Intern. Mentor: Robert Coover
Emeryville, CA
Jun.2018–Nov.2018

Smule
Audio Engineering Intern. Mentor: John Shimmin
San Francisco, CA
Jul.2017–Sep.2017

UC San Diego
Research Assistant at Center for Research in Entertainment and Learning. Advisor: Shlomo Dubnov
San Diego, CA
Sep.2016–Present

Samsung Electronics
Assistant Engineer at Software R&D Center.
Suwon, Korea
Mar.2014–Jul.2015

Seoul National University
Research Assistant at Music & Audio Research Group. Advisor: Kyogu Lee
Suwon, Korea
Jan.2012–Feb.2014

Naver Corporation
Winter Intern at Music Service Team
Seongnam, Korea
Jan.2013–Feb.2013

Ewha Womans University
Research Assistant at Interactive VR/AR Media Lab. Mentor: Yanghee Nam
Seoul, Korea
Jun.2010-Sep.2010

PUBLICATIONS

[7] Incremental Learning Algorithm for Sound Event Detection
   Eunjeong Stella Koh, Fatemeh Saki, Yinyi Guo, Cheng-Yu Hung & Erik Visser.
   ICME 2020: IEEE International Conference on Multimedia & Expo 2020 (London, UK).

[6] Open-set Evolving Acoustic Scene Classification System
   Fatemeh Saki, Yinyi Guo, Cheng-Yu Hung, Laehoon Kim, Manyu Deshpande, Sunkuk Moon, **Eunjeong Stella Koh** & Erik Visser.
   DCASE 2019: Detection and Classification of Acoustic Scenes and Events 2019 (New York, NY, USA).

[5] Rethinking Recurrent Latent Variable Model for Music Composition
   Eunjeong Stella Koh, Shlomo Dubnov & Dustin Wright.
   MMSP 2018: IEEE International Workshop on Multimedia Signal Processing 2018 (Vancouver, BC, CANADA).

[4] Mugeetion: Musical Interface Using Facial Gesture and Emotion
   Eunjeong Stella Koh & Shahrokh Yadegari.
   ICMC 2018: International Computer Music Conference 2018 (Daegu, South Korea).

[3] The Role of Musical Structure in Shaping Listener's preference.
   Eunjeong Stella Koh & Min-ju Kim.
   SMPC 2017: Society for Music Perception and Cognition 2017 (San Diego, CA, USA).

[2] From Music to Programming: Designing Method for Introductory Programming Using Musical Metaphor and Auditory Feedback.
   Eunjeong Ko.

Master's Thesis, Seoul National University, 2014.

[1] Using Music Notation for Teaching Computer Programming.
Eunjeong Ko & Kyogu Lee.
ICCE 2013: International Conference on Computers in Education 2013 (Bali, Indonesia).

PATENTS

[2] Method of Recommending a Reply Message and Apparatus thereof.
Eunjeong Ko, Deokho Kim, Haejun Lee & Seunghak Yu.
2015 Formal Patent Application Issued, Korea Patent Application 20150123491.

[1] Method of Recommending a Reply Message and Apparatus thereof.
Eunjeong Ko, Deokho Kim, Haejun Lee, Taeyeun Yang, Volodymyr Zubariev, Jihyun Rho & Hojin Jung.
2015 Formal Patent Application Issued, Korea Patent Application 20150076488.

TEACHING

Teaching Assistant | University of California, San Diego Music 5: Sound in Time, Music 15: Interactive Music for Video Games and Other Media	2020
Teaching Assistant | University of California, San Diego Music 5: Sound in Time, Music 172: Computer Music II, Music 7: Music, Media, and Technology	2019
Teaching Assistant | University of California, San Diego Music 206: Deep and Shallow (Generative artistic applications of machine learning)	2018

PROFESSIONAL SERVICE

Conference Reviewing

International Conference on Machine Learning (ICML)	2020
International Conference on Acoustics, Speech, and Signal Processing (ICASSP)	2019
International Computer Music Conference (ICMC)	2019

EXHIBITIONS

[2] Hearing Seascape.
Eunjeong Koh, Lauren Jones & Lei Liang.
UC San Diego, Initiative for Digital Exploration of Arts and Sciences 2018 (IDEAS, CALIT2).

[1] HyperFish.
Eunjeong Ko, Yanghee Nam & Taiyun Kim.
Incheon International Digital Media Art Festival 2010 (Augmented Reality Application Exhibition).

SKILLS

Proficiency in **Python, Java, Objective C, Matlab,** C, C# & ActionScript.

HONORS & AWARDS

7th Interdisciplinary Research Awards University of California, San Diego	2019
Google Anita Borg Scholarship Google	2013
Software Maestro Scholarship Ministry of Knowledge Economy in Korea	2011
Student Portfolio Competition 2nd Place, awarded by Department of Engineering, Ewha Womans University	2011
Ewha Womans University Scholarship Merit-based scholarships for 4 semesters	Mar.2010-Feb.2012
Independent Study Scholarship Research grant awarded by Noyeop Cultural Foundation	Mar.2009-Feb.2012

REFERENCES

Shlomo Dubnov, sdubnov@ucsd.edu
Professor, UC San Diego