

EUNJEONG STELLA KOH

9500 Gilman Dr MC 0099 La Jolla CA 92093
619.560.6655 | eko@ucsd.edu

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

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

[8] Comparison and Analysis of Deep Audio Embeddings for Music Emotion Recognition

Eunjeong Stella Koh & Shlomo Dubnov.

AAAI 2021: AAAI Workshop on Affective Content Analysis 2021 (Virtual Conference).

[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).

P A T E N T S

[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.

T E A C H I N G

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

P R O F E S S I O N A L S E R V I C E

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

E X H I B I T I O N S

[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).

S K I L L S

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

H O N O R S & A W A R D S

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 Competition2nd 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

R E F E R E N C E S

Shlomo Dubnov, sdubnov@ucsd.edu

Professor, UC San Diego