

Hongchan Choi

Tech Lead & Manager, Google Chrome
Co-chair, W3C Audio Working Group
Adjunct Professor, Stanford University
Ph.D. in Computer Music, Stanford University

EXPERIENCE

Google, Mountain View, CA — *Tech Lead & Manager*

OCTOBER 2014 - PRESENT

Leads various web music technology projects as a Technical Lead and Manager in Google. The owner of the Web Audio API project in the Chrome team. [Google I/O 2019 speaker](#).

W3C — [Audio Working Group Co-chair](#)

AUGUST 2021 - PRESENT

Leads a collective effort of multiple industry professionals to design web APIs for advanced audio processing and sound synthesis. Also serves as a specification editor for [Web Audio API](#).

Stanford University, Stanford, CA - [Adjunct Professor](#)

SEPTEMBER 2019 - PRESENT

Lectures and advising students at CCRMA, Stanford University.

Google, Mountain View, CA — *PhD Engineering Intern*

JUNE 2013 - SEPTEMBER 2013 (4 months), JUNE 2012 - SEPTEMBER 2012 (4 months)

Worked on experimental projects in Google Chrome and Google Research.

KAIST, Daejeon, South Korea — *Lecturer*

SEPTEMBER 2008 - JUNE 2009 (10 months)

Designed and delivered lectures for audiovisual programming class.

Yonsei University, Seoul, South Korea — *Lecturer*

SEPTEMBER 2006 - JUNE 2008 (2 years 10 months)

Designed and delivered weekly lectures for music production class.

Dongguk University, Seoul, South Korea — *Studio Director*

SEPTEMBER 2006 - JUNE 2009 (2 years 10 months)

Designed, built, and managed Studio S3 at Dongguk university.

choihongchan@gmail.com

<https://hoch.io>

SKILLS

Engineering management

Technical leadership

API design

C++

JavaScript

Web standard

Real-time multimedia system

Music technology

AWARDS

Stanford University
Humanity and Science
Fellowship (full 5-year
scholarship)

Finalists, Stanford Computer
Game Competition 2011

Stanford University
Departmental Teaching
Award

LANGUAGES

English, Korean (Native)

MILITARY EXPERIENCE

JANUARY 2000 - FEBRUARY 2002
R.O.K Army, South Korea.
KATUSA (The Korean
Augmentation to the United
States Army)

EDUCATION

CCRMA, Stanford University — *PhD in Computer Music*

SEPTEMBER 2010 - JUNE 2015

- Major in Computer-based Music Theory and Acoustics
- Doctoral thesis: <Collaborative Musicking on the Web>

Stanford University — *PhD Minor in Computer Science*

SEPTEMBER 2011 - JUNE 2015

CCRMA, Stanford University — *MM*

SEPTEMBER 2010 - JUNE 2011

Master of Arts in Computer-based Music Theory and Acoustics

Dongguk University, South Korea — *DMA candidate*

MARCH 2007 - JUNE 2009

Doctoral candidate of Musical Arts in Computer Music Composition.

Dongguk University, South Korea — *MM*

MARCH 2005 - FEBRUARY 2007

Master of Music in Computer Music Composition

Seoul Jazz Academy, South Korea - *Certificate*

MARCH 2002 - FEBRUARY 2003

Certificate: Jazz Music Composition and Arrangement

Sungkyunkwan University, South Korea — *BE*

MARCH 1995 - FEBRUARY 2000

Bachelor of Engineering in Information Engineering

NON-ENGINEERING EXPERIENCE

Music Composer, Arranger, and Producer, South Korea

1998 - 2009

Produced various pop and commercial music over a decade. Highly experienced with songwriting and music production.