

Hongchan Choi

Tech Lead in Chrome Capabilities Team
Ph.D. in Computer Music and Acoustics

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<https://hoch.io>
<https://github.com/hoch>

EXPERIENCE

Google, Mountain View, CA — *Tech Lead, Software Engineer*

OCTOBER 2014 - PRESENT

- Technical Lead of Chrome Capabilities Team (Web Audio)
- Web Audio API owner in Google Chrome
- W3C [Web Audio API](#) specification editor
- Google representative, W3C Audio Working Group
- [Google I/O 2019 speaker](#)

Stanford University, Stanford, CA - Lecturer

SEPTEMBER 2019 - DECEMBER 2019

Designed a new course curriculum for [Music 220A](#) and delivered weekly lectures.

Stanford University, Stanford, CA — *Research Assistant*

SEPTEMBER 2013 - SEPTEMBER 2014 (1 year 1 month)

Designed API for music collaboration platform using web technology.

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

JUNE 2013 - SEPTEMBER 2014 (4 months)

Worked on experimental music technology in Google Chrome.

Stanford University, Stanford, CA — *Teaching Assistant*

SEPTEMBER 2011 - JUNE 2013 (1 year 1 month)

Advised students in courses such as Music 220A, Music 220C and Music 128 at CCRMA.

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

JUNE 2012 - SEPTEMBER 2012 (4 months)

Google Research (confidential)

KAIST, Daejeon, South Korea — *Lecturer*

SEPTEMBER 2008 - JUNE 2009 (10 months)

Designed and delivered lectures for audiovisual programming class.

SKILLS

API design
C++, JavaScript
(Chromium project)
Real-time media system
Technical leadership
Strategic planning
Music technology
(over 20 years)

PROJECTS AND PUBLICATIONS

Please find selected projects and publications on hoch.io.

AWARDS

Stanford University
Humanity and Science
Fellowship (full 5-year
scholarship)
Finalists, Stanford Computer
Game Competition 2011
Stanford University
Departmental Teaching
Award

LANGUAGES

English (Native)
Korean (Native)

Yonsei University, Seoul, South Korea — Lecturer

SEPTEMBER 2006 - JUNE 2009 (2 years 10 months)

Designed and delivered lectures for music production class.

Dongguk University, Seoul, South Korea — Studio Director

SEPTEMBER 2006 - JUNE 2009 (2 years 10 months)

Designed and managed Studio S3 at the university.

EDUCATION

[CCRMA](#), Stanford University — PhD

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 — MA

SEPTEMBER 2010 - JUNE 2011

Master of Arts in Computer-based Music Theory and Acoustics

Dongguk University, South Korea — DMA

MARCH 2007 - JUNE 2009

Doctor of Musical Arts in Computer Music Composition. Currently on leave as a doctoral candidate.

Dongguk University, South Korea — MM

MARCH 2005 - FEBRUARY 2007

Master of Music in Computer Music Composition

Sungkyunkwan University, South Korea — BE

MARCH 2005 - FEBRUARY 2007

Bachelor of Engineering in Information Engineering

NON-ENGINEERING EXPERIENCE

Music Composer, Arranger and Producer, South Korea

1998 - 2009

Created music (pop, commercial and etc.) over a decade. Highly experienced with song writing, music technology, and post production.