

# Hongchan Choi

Technical Lead in Web Audio Team, Google Chrome  
Adjunct Lecturer, Stanford University  
Ph.D. in Computer Music, Stanford University  
Ph.D. Minor in Computer Science, Stanford University

choihongchan@gmail.com  
<https://hoch.io>

## EXPERIENCE

### Google, Mountain View, CA — *Technical Lead*

OCTOBER 2014 - PRESENT (6 years)

- Technical Lead of Web Audio Team, Google Chrome
- Web Audio API owner, Google Chrome
- W3C [Web Audio API](#) specification editor
- Google representative, W3C Audio Working Group
- Keynote speaker, <2020 포스트 코로나 시대 웹의 현재와 미래>
- Keynote speaker, W3C HTML5 컨퍼런스 2019 Korea
- [Google I/O 2019 speaker](#)

### Stanford University, Stanford, CA - *Adjunct Lecturer*

SEPTEMBER 2019 - PRESENT (1 year)

Designed and delivered lectures for [Music 220A](#) and [Music 15N](#).

### 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.

## SKILLS

API design  
C++, JavaScript  
Real-time media system  
Technical leadership  
Strategic planning  
Music technology

## PROJECTS AND PUBLICATIONS

Please find selected projects and publications [here](#).

## 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)

## 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 — MA**

SEPTEMBER 2010 - JUNE 2011

Master of Arts in Computer-based Music Theory and Acoustics

### **Dongguk University, South Korea — DMA (candidate)**

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

### **Seoul Jazz Academy, South Korea - Certificate**

MARCH 2002 - FEBRUARY 2003

Certificate: 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

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

## MILITARY EXPERIENCE

JANUARY 2000 - FEBRUARY 2002

R.O.K Army, South Korea.  
KATUSA (The Korean Augmentation to the United States Army)