

DanbeeKim

Teacher | Field Neuroscientist | Author

CONTACT EDUCATION

danbee@danbeekim.org
www.danbeekim.org

LANGUAGES

English (fluent),
Korean (intermediate),
Portuguese (beginner)

COMPUTER SKILLS

Microsoft Office Suite,
Illustrator, Photoshop,
Premier Pro, Bonsai-Rx,
Github, L^AT_EX, Python

FABRICATION TOOLS

Epilog Helix Laser
Cutter, sewing
machine (standard
and overlocking)

MOVEMENT ARTS

capoeira, fire spinning,
musical theater

INSTRUMENTS

bass guitar, ukelele,
violin, vocals

REFERENCES

available upon request

2013-2020 **DOCTOR OF PHILOSOPHY IN NEUROSCIENCE**

International Neuroscience Doctoral Programme, Intelligent Systems Lab
Online open lab notebook: www.danbeekim.org/open-lab-notebook/

Champalimaud Centre for the Unknown

2005-2009 **SCIENTÆBACCULAUREUS**

Brain and Cognitive Sciences

Massachusetts Institute of Technology

PUBLICATIONS, PERFORMANCES, AND EXHIBITS (SELECTED WORKS)

Danbee Kim. "Are cephalopods making a comeback in neuroscience?". *BioTechniques*. 22 Jun 2022.

Danbee Kim. *The First VIRS*. London; 2020.

Danbee Kim, Adam R. Kampff. "Neuroscience Does Design: What the Brain's Architecture Can Teach Architects". *Architectural Design*, 90.6 (2020): 94-99. DOI: 10.1002/ad.2637.

Danbee Kim. "Why I refuse to do animal testing in my science career". *Massive Science*. June 18, 2018.

Danbee Kim, Gonçalo Lopes. "Does modern neuroscience really help us understand behavior?" *Massive Science*. Oct 3, 2017.

Pilot Data: An Aronauts EP. Music and lyrics by Danbee Kim. Perf. Danbee Kim, Xiao Xiao, and Gonçalo Lopes, 29 Sept. 2017, Francis Crick Institute Live Music Symposium, London.

Surprising Minds. Interactive installation and crowd human behaviour experiment. Installed 4 July 2017 at Sea Life Brighton, Brighton, UK. Danbee Kim, Kerry Perkins, Clive Ramble, Hazel Garnade, Gonçalo Lopes, Darío R. Quiñones, Reanna Campbell-Russo, Robb Barrett, Martyn Stopps, The EveryMind Team, Adam Kampff.

EXPERIENCE

since 2021 **NEUROGEARS, LTD**

Research and Outreach Scientist

London, UK

- Define the structure and scientific content of NeuroGEARS' research and outreach activities
- Establish and nurture collaborations across traditional boundaries of expertise
- Provide managerial support and administrative assistance to the Director

since 2019 **NEURONAUTAS**

Organizer and Teacher

Lisboa, Portugal

- A hands-on neuroscience and robotics camp for 10th-grade students
- Collaboratively developed and delivered program curriculum for in-person edition in 2019
- Translated neuroscience curriculum into online coursework and organised online classroom experience for remote edition in 2021
- Developed and delivered an additional short course for 2021 edition that combined neuroscience theory with speculative fiction and collective improvisational storytelling

since 2010 **APPALACHIAN INSTITUTE FOR CREATIVE LEARNING**

Teacher, Staff, Board Member

Mars Hill, North Carolina, USA

- Prepare and deliver curriculum in multi-age (8-18 years old) classrooms
- Past classes: Neural Cell Diversity, Fermentation Fun, Ropework & Knots, Jugger, Quidditch
- Created custom infrastructure for re-creating the summer camp experience during 2020 lock-down

since 2005 **FIRST-YEAR LEARNING COMMUNITIES, MIT**

Undergraduate Teaching Fellow and Alumni mentor, Terrascope

Cambridge, Massachusetts, USA

- participated as a student in Mission 2009: The Tsunami Threat to the Pacific
- mentored as an Undergraduate Teaching Fellow in Mission 2011: Saving the Oceans
- served as an alumni mentor since 2021

EXPERIENCE CONTINUED...

- 2021-2022 **THE BARTLETT SCHOOL OF ARCHITECTURE, UCL** London, UK
Tutor, MArch Design for Performance and Interaction
- Dissertation thesis tutor for 3 masters students
 - Contextual Theory tutor for Fall 2021 incoming cohort
- 2016-2019 **SAINSBURY WELLCOME CENTRE FOR NEURAL CIRCUITS AND BEHAVIOUR** London, UK
Visiting Researcher, Intelligent Systems Lab
- AWARDS:**
- SWC Public Engagement Fund: £3,000 (Feb 2019)
 - UCL Train and Engage program: £1,000 (July 2018)
- EVENTS:**
- "Dear Neuroscience: Touch and Proprioception", Organizer and Speaker (24 May 2019)
 - 2017 Systems Seminars Annual Symposium: Cross-Species Conversations, Organizing team (21 Sept 2018)
 - "Orchestrating the Brain: A collaborative workshop of musicians and neuroscientists", Organizer and Speaker (31 May 2018)
- SOCIETIES AND WORKING GROUPS:**
- SWC-Gatsby PhD Society, Social Chair (May 2018 – May 2019)
 - SWC Staff Student Consultative Committee, Student representative (Oct 2017 – Oct 2018)
 - SWC NC3Rs working group, Member (July 2017 – July 2019)
 - SWC Public Engagement Network, Member (Jan 2016 – July 2019)
- 2011-2012 **MUSEUM OF SCIENCE** Boston, Massachusetts, USA
Education Associate, Current Science & Technology
- developed, and performed 20-minute presentations on science and technology topics
 - contacted and coordinated guest presenters
 - organized logistics for Museum events
- 2009-2011 **HARVARD MEDICAL SCHOOL, BETH ISRAEL DEACONESS MEDICAL CENTER** Boston, Massachusetts, USA
EEG Lab Technician and Research Assistant
- organized and managed EEG lab, Psychiatry Suite of BIDMC West Campus
 - designed and implemented EEG protocols written in Superlab and Presentation software
 - manage subject recruitment, coordination with clinical assessments, and payment
- 2008-2009 **DEPARTMENT OF BRAIN AND COGNITIVE SCIENCES, MIT** Cambridge, Massachusetts, USA
Undergraduate Researcher
- HOW EXPECTATIONS CAN CHANGE PERCEPTION**
- Higher-Level Cognition Lab: Talia Konkle, Steven Piantadosi, Rebecca Saxe
- studied the effect of prior expectations on the perception of incongruent stimuli
 - designed and coded experimental tasks in Matlab; analyzed data in R
- OBSERVING CAUSAL LAWS BY TRACKING EYE MOVEMENTS**
- Early Childhood Cognition Lab: Elizabeth Bonawitz, Laura Schulz
- studied how young children learn to make predictions based on patterns
 - tracked eye movements using Tobii Eyetracker software; analyzed data using Matlab
 - studies were conducted at the Learning Lab at the Children's Museum of Boston
- 2005-2008 **FRESHMEN PRE-ORIENTATION PROGRAMS, MIT** Cambridge, Massachusetts, USA
Film Counselor, Freshmen Arts Pre-Orientation (FAP)
- participated in FAP 2005; film counselor for FAP 2006, 2007, and 2008
 - organized projects and activities for the week-long program
 - co-wrote, filmed, and edited counselor introduction videos and a yearly FAP video
- 2007 **EDGERTON CENTER OUTREACH PROGRAM, MIT** Cambridge, Massachusetts, USA
Teaching Assistant
- taught grade-school children topics in science and technology via hands-on classroom projects, including motorized Lego cars, rudimentary circuits, high speed photography, and basic chemistry