

Sihan Chen

43 Vassar St, Cambridge, MA 02139

sihanc@mit.edu | (786)-612-7689

Positions:

Sep 2020 – Present | Research Assistant, Department of Brain and Cognitive Sciences, MIT

Jan 2020 – Aug 2020 | Assistant Scientist | SilicoSpine Inc.

Jan 2018 – Aug 2020 | Research Assistant, Tissue Biomechanics Lab, University of Miami

Education:

Sep 2020 – Present | Ph.D. Student in Cognitive Science. Massachusetts Institute of Technology

Jan 2016 – Dec 2019 | B.S. in Mechanical Engineering. University of Miami

GPA: 4.00 (summa cum laude)

Minor in Mathematics. Cognate in Linguistics, Spanish Language and Culture

Publications:

Journal Articles:

1. Everett, C., Chen, S. (2021), Speech adapts to differences in dentition within and across populations. *Scientific Reports* 11, 1066.
2. Zhu, Q., Gao, X., **Chen, S.**, Gu, W., Brown, M. D., (2020), Effects of Intervertebral Disc Degeneration on Mechanical and Electrical Signals at the Interface between Disc and Vertebra. *Journal of Biomechanics*, 104, 109756.

Conference Proceedings:

1. **Chen, S.** & Everett, C. (2020), *Did Post-Neolithic Changes in Bite Configuration Impact Speech? A New Approach to the Question*. Proceedings to the 13th International Conference on the Evolution of Language.

Posters:

1. Zhu, Q., Gao, X., Brown, M. D., **Chen, S.**, Gu, W., (2020), *Effects of Intervertebral Disc Degeneration on Mechanical and Electrical Signals at the Interface between Disc and Vertebra*. Orthopaedic Research Society 2020 Annual Meeting.

Skills:

Programming languages: Matlab, R, Python

Software: COMSOL, ANSYS, Solidworks, ImageJ, PTC Creo

Natural Languages:

Native / Bilingual: Chinese Mandarin, English

Intermediate: Spanish

Basic: Icelandic, Scottish Gaelic, Serbo-Croatian

Writing systems: Latin, Cyrillic, Greek, Armenian, Chinese

Honors and Awards:

Oct 2020, Oct 2021 | MIT BCS Hilibrand Fellowship

Spring 2016 – Fall 2019 | University of Miami Presidential Honor Roll

2016, 2017, 2018 | 1st Place, University of Miami Ibis Integral Contest

2017, 2018, 2019 | 1st Place, Integral Contest at MAA Florida Section Annual Meeting

Trainings:

Summer 2021 | Teaching Assistant Training, MIT Teaching + Learning Lab

Services:

Sep 2021 – Dec 2021 | Teaching Assistant, Computational Cognitive Science (9.66)

Oct 2017 – May 2019 | Peer Tutor, University of Miami Camner Academic Resource Center

Oct 2017 – Dec 2017 | Grader, University of Miami Department of Civil Engineering

Jun 2015 – Aug 2015 | Teaching Assistant, Diversity English, Shenzhen, China