

Tianhu (Tony) Chen

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Education

2016 - present **Boston College**
Psychology B.A, Mathematics B.A, Computer Science (minor)
Advisor: Joshua K. Hartshorne
GPA : 3.95

Experience

2020-present **Social and Cognitive Computational Neuroscience Lab**

- Analyses of neural network and brain based representations of face identity and expression

2020-present **Morality Lab**

- Bayesian and reinforcement learning modeling of social learning and belief updating

2017-2020 **Language Learning Lab**

- Computational modeling of second language acquisition
- Linguistic analyses of large transformer-based language models

2019 **Laboratory for Neural Computation and Cognition**

- Neural network based inference algorithms for sequential sampling models.

2018-2019 **Momeni Lab**

- Convolutional neural networks for predicting species coexistence in microbial communities.

Publications

2021 **Chen, Tony**, Hartshorne, Joshua. K. (2021). More evidence from over 1.1 million subjects that the critical period for syntax closes in late adolescence. *Cognition*.

2021 Fengler, Alexander, Govindarajan, Lakshmi N., **Chen, Tony**, Frank, Michael J. (2021). Likelihood Approximation Networks (LANs) for Fast Inference of Simulation Models in Cognitive Neuroscience. *eLife*.

CONFERENCE ABSTRACTS

Talks

2021 **Chen, Tianhu**, O'Donnell, Timothy J., and Hartshorne, Joshua. Verb Argument Structure and Semantics in Language Models. The 12th Dubrovnik Conference on Cognitive Science.

2019 **Chen, Tianhu**, and Hartshorne, Joshua. Revisitng a Critical Period for Syntax in a Second Language: New Analyses Provide the Same Results. The 32nd CUNY Conference on Human Sentence Processing.

POSTERS

2019 **Chen, Tianhu**, and Hartshorne, Joshua. More Evidence that the Critical Period for Syntax Ends at 17. The 44th Boston University Conference on Language Development.

Teaching

2019 Teaching Assistant, Psychoactive Drugs, Brown University

Membership

Member, Psi Chi

Member, Phi Beta Kappa