YVONNA QIYUAN FENG

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EDUCATION

University of Rochester **2020 – 2024** *(expected)*
B.S. Brain and Cognitive Science NY, US
B.A. Computer Science
Minor, Social Psychology; Minor, Digital Media Studies

- Cumulative GPA: 3.97 / 4.00 (Dean's List)
- Relevant Coursework: Neuroscience, Vision and the Eye, Computer Model of Perception and Cognition, Artificial Intelligence (C), Introductory Biology, Statistics (R), Discrete Math and Linear Algebra, Data Structure and Algorithm (Java), Linguistics, Database Systems (SQL, HTML)

RESEARCH INTEREST

Visual Perception, Visual Attention, Computational Neuroscience

RESEARCH EXPERIENCE

Research Assistant, MarmoLab, University of Rochester **06/2022 - Present**
Advisor: Dr. Jude Mitchell NY, US

- Assisted with marmoset experiment training, and neural recorded marmoset V1 with electrophysiology over 40 hours
- Ran marmoset foraging experiments independently and collected visual-motor data
- Led journal club and presented papers relevant to visual perception and computational neuroscience

Research Assistant, Piazza Lab, University of Rochester **10/2021 - Present**
Advisor: Dr. Elise Piazza NY, US

- Established data analyzing pipeline on the prosody study project
- Analyzed natural speech audio using Python and Praat
- Cleaned and analyzed lecture-type audio on the corpus study project

Independent Research Project, AP Lab, University of Rochester **08/2021 - 05/2022**
Advisor: Dr. Martina Poletti NY, US

- Replicated a study demonstrated the relationship between temporal perception and retinal eccentricity
- Performed background literature research, reviewed over 100 research articles, and generated original research idea
- Developed and implemented temporal discrimination paradigm using C++, and ran over 15 participants
- Found that temporal perceptual learning exists and can be enhanced by evoking exogenous attention

Research Intern, Tsunada Lab, Chinese Institute for Brain Research (CIBR) **Summer 2021**
Advisor: Dr. Joji Tsunada Beijing, CN

- Reviewed literature on primates' flexible control and adaptation of vocal behaviors during social communication
- Analyzed marmoset vocal and behavioral data using Matlab and DeepLabCut

PRESENTATIONS

Qiyuan Feng, Qianying Wu, Ashish Behal, Samantha K. Jenks, Martina Poletti. "Effect of Retinal Eccentricity and Training with Attention on the Estimation of Time." Undergraduate Research Exposition, University of Rochester, 2022. (Poster)

Xiao Yang*, Yixuan Li*, **Qiyuan Feng***, Xinyi Gao*, Magumi Hatori, Misako Komatsu, Joji Tsunada. "Distributed Cortical Representation of Decisions for Vocal Production in Marmoset Monkeys." *contribute equally. Advances and Perspectives in Auditory Neuroscience (APAN), University of Pennsylvania, 2021. (Abstract)

TEACHING & MENTORING

Teaching Assistant, University of Rochester **Fall 2022**
BCS 151: Perception and Action (Brain and Cognitive Science Core Course)
Instructor: Dr. Duje Tadin

- Led 15 workshop sections (20 students), facilitated student group discussion, came up with exam questions, graded exam papers, held office hours, and created a learning environment that promotes diversity and inclusivity

PROFESSIONAL EXPERIENCE

Science Department, Galixir **01/2021 - 06/2021**
Pharmaceutical Data Analyst Internship Beijing, CN

- Collected and standardized gene target data from patents and publication database
- Cleaned and Analyzed QSAR data to formulate regression models using Python
- Replicated a study on multi-omics data analytic framework

LEADERSHIP & SERVICE

Neureality **7/2022 - Present**
Translator

- Translated 3 cognitive science-related articles from English to Chinese, including a review paper, news, and Dr. Rebecca Saxe's interview transcripts

University of Rochester Chinese Student Association **10/2020 - Present**
Chair and Member of the Design Committee

- Organized weekly meetings as the chair of the design committee
- Created 8 posters for campus activities as chair and member, and utilized visual design (video, photos, and graphic design) as a medium to spread cultural awareness

Zhiwei Education **06/2020 - 12/2020**
English Teacher, TOFEL Exam Preparation Tutor

- Taught 5 high school students in one-on-one online English classes
- Developed unique teaching strategies with 100h+ teaching experience

PATENT

Qiyuan Feng. "A Novel Design of Hinge" Chinese Patent **ZL201920685777.2.** ***2019.***

SKILLS

Computer Skills: Java, Python, C, Matlab, SQL, R
Technical Skills: human psychophysics, marmoset visual training, and colony preparation
Languages: English, Chinese Mandarin