

# Jiarui (Ray) Fang

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🌐 <https://baymax-ray.github.io/>

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## Education

2020.8 – 2024.5(estimated)

### ■ Bachelor of Science, Cornell University

Majors: Biological Sciences and Biometry & Statistics

GPA: 4.24/4.3

Dean's List all semesters

Relevant courses: Intro to Behavior, Intro to Neuroscience, Intro Computational Neuroscience, Genetics and Genomics, Computer Vision, Intro to Machine Learning, Biological Statistics

## Research Experience

2021.9 – present

### ■ Research Assistant, The Laboratory of Neurobiology of Learning and Memory with Prof. David Smith

- Used conditional discrimination task to study the mechanism of context-specific olfactory memory in rats
- Recorded electrical signals from neurons in AON and analyzed their responsibility in odor discrimination

2022.9 – present

### ■ Research Assistant, Computational Physiology Lab with Prof. Thomas Cleland

- Applied transfer learning to improve Annolid's ability to identify animal behavior

## Skills

Coding	■ Python (intermediate ML), Java, L <sup>A</sup> T <sub>E</sub> X
Web Dev	■ HTML, CSS, JavaScript
Bio Tech	■ Context-based learning in rats, PCR, electrophoresis, Nissl staining, immunofluorescence
Languages	■ Strong English and Mandarin Chinese

## Other Experience

### Awards and Achievements

- 2022 ■ **Biological Sciences Summer Internship Program**, Office of Undergraduate Biology, Cornell
- 2022-SP ■ **Course Staff**, CS 2110 Object-Oriented Programming and Data Structures

## Organization

2022 - present

- **Volunteer**. American Red Cross
- **E-board member**. In Transcript