Ivor Ho
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Education

Bachelor of Science in Biology (Computational Biology) — Expected May 2027
Florida State University, Tallahassee, FL — 3.804 GPA
High School Diploma — May 2023
Flower Mound High School, Flower Mound, TX — 3.8 GPA

Work Experience

MD Anderson CPRIT-CURE Lab Intern (June 2025 - August 2025)
Chen Lab, *MD Anderson Cancer Center* CPRIT CURE Program, Houston, Texas

- Programmed Python and R scripts to extract molecular interactions from curated databases
- Transformed interactions into directed graph format for downstream analysis
- Presented poster at symposium at end of program

SMART Intern/Lab Assistant
Shaulsky Lab, *Baylor College of Medicine* SMART Program, Houston, Texas (June 2024 - August 2024)

- Perform wet lab procedures including plasmid preparation, bacterial growth, GoldenBraid cloning, and restriction enzyme digestion
- Maintained lab journal for documenting daily procedures and presentation at weekly lab meetings
- Conduct research to prepare for public presentation at end of program

Research Assistant
Lemmon Lab, *Florida State University,* Tallahassee, Florida (August 2023 - Present)

- Generate synthetic data using MatLab
- Program simulations and recorded peaks in parameter space in MatLab and R
- Prepare research data and findings for presentations at symposium and expo

Studio Administrator
Flower Mound Music Academy, Flower Mound, TX (September 2022 – Present)

- Managed schedule for studio director
- Assisted students and parents in scheduling using applications such as Google Sheets
- Planned and organized events including recitals and concerts using Canva

Research/Presentations

Ivor Ho, Ken Chen, Vakul Mohanty and Shan He (2025) Integrating molecular signature databases to holistically reveal gene signaling events. Poster presented at the MD Anderson CPRIT CURE poster symposium

Ivor Ho, Gad Shaulsky and Mariko Kurasawa (2024) Exploring the expression of chromoproteins in Dictyostelium discoideum, presented at the Baylor College of Medicine SMART Program

Courtney Weintraub, Ivor Ho, and Alan Lemmon (2024) Modeling Neural Circuits to Understand Reproductive Isolation and Cryptic Evolution, presented at the Florida State University Department of Scientific Computing CX24

Ivor Ho and Alan Lemmon (2024) Modeling Neural Circuits to Understand Incipient Speciation Part 2: Quantifying the Potential for Cryptic Evolution, presented at the Florida State University Department of Scientific Computing CX24

Honors/Awards

- MD Anderson Cancer Center CPRIT CURE 2025
- Baylor College of Medicine SMART 2024
- FSU Dean's List 2023, 2024, 2025
- FSU Honors Program Member 2023-present
- FSU UROP Member (Undergraduate Research Opportunity Program) 2023-2024
- Musician of the Year, Flower Mound High School Orchestra 2022

Community Service

Flower Mound Key Club

- Served the Flower Mound/Lewisville community in different services (November 2020- May 2023)
- *Keep Flower Mound Clean*: Cleaned in various areas around Flower Mound

Bluebonnet Classroom

- Taught English to international grade school students weekly via Zoom (October 2020 - July 2021)

Teaching Assistant

- Co-taught English with teachers in Taiwan to grade school students (May 2021 – June 2021)

Skills

Language: English, Chinese (Beginner spoken), Spanish (first level, Spoken)
Computational: Matlab, R and RStudio, Python | Operating systems: MacOS, Linux
Project management: GitHub
Computer Applications: Google office (Word processing, Spreadsheet, Slides)

Revised: December, 2025