

Ty Roche

(305)-858-9405

t.roche@ufl.edu

- **Education**
 - Bachelor of Science, Psychology: Cognitive and Behavioral Neuroscience
Major May 2026
 - University of Florida, Gainesville, Florida
 - Pre-Med
 - Member of the Honors Program
- **Academics University of Florida:**
 - Current Classes Fall 2022:
 - CHM 2050: Gen Chem 1 Honors
 - CHM 2045L: Gen Chem 1 Lab
 - STA 2023: Intro to Statistics 1
 - IDH 1700: Honors Pro Dev: First Gen
 - IDS 2935: Special Topics: Artistic Revelation
 - HSC3537: Health and Medical Terminology
 - Planned Classes for Spring 2023:
 - CHM 2051: Honors General Chemistry 2
 - CHM 2046L: General Chemistry 2 Laboratory
 - BSC 2010: Integrated Principles of Biology 1
 - BSC 2010L: Integrated Principles of Biology Laboratory 1
 - IDS2935: Special Topics: Can we design “better” humans
 - PSY3213L: Laboratory Methods in Psychology
 - ENC3459: Writing in Medicine
- **Research and Internships: University of Florida**
 - Collaborated with Captain Gage at the NROTC in designing Decision Forcing Cases to be used to simulate realistic, complicated leadership decisions that would occur during a deployment
- **Extracurriculars at UF:**
 - Active Member of the Emergency Medicine Subgroup of the UF AMSA organization
 - Active Member of UF Club Baseball Team
 - Member of UF Medi-Gator's Club but not currently active
- **Work Experience:**
 - Shadowed a plastic surgeon at Aqua Plastic surgery during a surgery day for breast implant removals - summer before freshman year college

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- Overseeing construction workers and taking care of pets - summer before freshman year college
- Internship doing various research projects for a company: making spreadsheets, analyzing data, and providing input on which other companies could be valuable business partners in the future – junior year high school
- Shadowed a surgeon and assisted w/French translation during multiple clinic days at Nicklaus Children's Hospital – high school sophomore year before Covid
- **Research projects in High School:**
 - Wrote a 4000 word physics paper on the difference in aerodynamics of F1 cars vs. LMP1 cars, where data from F1 teams was analyzed, conducted own experiment and performed own calculations – senior year high school
 - Conducted an anthropological study of how people interacted with each other during the pandemic - junior year high school
 - Investigated the effect of a baseball bat's material, and that material's hardness or density, on the distance a ball travels off the sweet spot of the bat – senior year high school
 - Attempted to prove that Points of inflection can be used predict a decrease in a country's population using logarithms and calculus, and wrote a paper on it - senior year high school
 - Conducted a study of Serial Interference and the delay in reaction time between congruent and incongruent stimuli emulating The Stroop Effect Experiment – senior year high school
 - Examined whether some knowledge should not be sought on ethical grounds and wrote a paper – senior year high school
- **Community Service High School:**
 - Volunteered at the Coral Gables Youth Center in the Fitness Center checking in members, and assisting with the youth summer camp helping them learn how to lift weights safely and correctly - 9th through 11th grade summers
 - Donating collected Christmas gifts to underprivileged children with baseball team – 10th grade

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- Volunteer every summer at the Gulliver youth baseball camp teaching the fundamentals to the future generation of ball players - 9th through 11th grade
- Volunteered at all blood drives my school held, helping people sign in, providing emotional support, and taking care of those that donated – 11th and 12th grade
- Worked together with two teammates to collect and donate shoes for homeless children through the Together Strong Foundation of our school – 12th grade
- **Software Proficiencies**
 - Excel & PowerPoint extremely well
 - Effective researcher
 - Can troubleshoot problems effectively
 - Video and photo editing
 - Basic Programming knowledge