

Lily Hoefner

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EDUCATION

- Fall 2019-present **The University of Texas at Austin, *Biology major***
- Relevant coursework: Advanced Intro to Genetics: Honors, Principles of Chem I: Honors, Genetics: Honors, Principles of Chem II: Honors, Biostatistics, Mol Biology of Animal Viruses, Organic Chemistry I, Computational Bio and Bioinformatics, Fundamentals of Biochemistry
- Fall 2019-present **Dean's Scholar**
- Selective honors program for students in natural sciences interested in research
 - Members must take honors science courses, attend/volunteer at community engagement activities, and write a thesis before graduation

EXPERIENCE

- Spring 2020-present **Freshman Research Initiative**
- Functional Genomics stream
 - Stream uses molecular biology experimentation and computational analysis to study transcriptional regulation and evolution in yeast
- Spring 2021-present **FRI Mentor**
- Teach a weekly class on lab techniques and programming, host mentor meetings and journal club, hold computational and lab office hours, plan social events
- 2021 **Capital of Texas Undergraduate Research Conference, *Finalist***
- Presented work titled "Heatshock and Rapamycin Treatments Downregulate Similar S. Cerevisiae Homologs Involved in Human Neurological and Cellular Pathways" to a panel of judges

TECHNICAL/COMPUTING SKILLS

R Programming

- Use R to analyze big datasets for FRI lab
- Relevant coursework: biostatistics, computational biology and bioinformatics, summer classes

OTHER

UT Sailing Club, *member*

- Certified to charter 25ft keel boat by the American Sailing Association