

Henry Trentham

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EDUCATION

The University of Texas at Austin

Bachelor of Science in Computational Biology

Expected May 2021

GPA: 3.43

Relevant Courses:

- Inventors Program Practicum
- Computational Biology
- Systems Biology

SKILLS

- Laboratory Techniques:** Microscopy, Bacteria Cell Culture, Gel Electrophoresis, PCR, Sterilization
- Programming Languages:** Proficient in R and Python; Exposed to SQL
- Software:** Proficient with Microsoft Word, PowerPoint, and Excel

RESEARCH EXPERIENCE

Natural Therapeutic Products for SARS-CoV-2, UT Inventors Program

Undergraduate Researcher

August 2020 — Present

- Design biosynthetic pathway to produce apigenin for potential therapeutics of COVID-19
- Present weekly updates to Dr. Andrew Ellington and guest faculty

Finkelstein Lab, The University of Texas at Austin

Laboratory Assistant

June 2019 — Present

- Prepare buffers, stock chemicals, bacterial plates, and other experiment protocols
- Coordinate and schedule travel plans for the principal investigator
- Complete and file travel reimbursements while navigating complicated university bureaucracy

PROJECTS

Stratfor National Security Challenge

March 2020 — May 2020

- Developed system to detect or disable biological disease agents on human or animal vectors
- Presented findings to geopolitical and defense experts

LEADERSHIP & INVOLVEMENT

Texas Wranglers, The University of Texas at Austin

Service, Recruitment, Tailgate Chair, Disciplinary Board

September 2017 — Present

- Budgeted allocated funds to put on 6 tailgates for the 2019 season as Tailgate chairman
- Managed social media and communication improvements as Recruitment chairman
- Planned and coordinated over 100+ hours of community service as Service chairman

Texas Silver Spurs, The University of Texas at Austin

Active Member

February 2019 — Present

- Honorary men's group at UT which primarily serves as the caretakers of our mascot BEVO
- Tutored students at Kealing Middle School in multiple subjects per need basis

BP MS 150, National Multiple Sclerosis Society

Austin Committee Member

September 2018 — October 2020

- Supported raising millions of dollars for MS with bike ride from Houston to Austin
- Coordinated day-of start/finish line and bike transport in Austin with logistics team

Austin Partners in Education, Maplewood Elementary, Austin, TX

Mentor

October 2017 — May 2019

- Counseled an at-risk student for an hour once a week
- Discussed academic progress and personal goals from 3rd through 5th grade