

# 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 3<sup>rd</sup> through 5<sup>th</sup> grade