

**Lance Chu**  
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## EDUCATION

### University of Texas, College of Natural Sciences

Expected May 2022

*Bachelor of Science in Biology, Computational Biology*

*Certificate: Elements of Computing*

*GPA: 4.0/4.0*

**Relevant Coursework:** Principles of Chemistry I & II, Introductory Biology I & II, General Physics I & II, Introduction to Psychology, Organic Chemistry I & II, Biostatistics, Lab Experience (Physics), Lab Experience (Intro Biology), Lab Experience (Intro Chemistry), Lab experience (Genetics), Introduction to Medical and Scientific Terminology, Elements of Computers/Programming, Practical Linear Algebra, Elements of Software Design, Computational Biology, Fundamentals of Biochemistry

## SKILLS

<b>Languages:</b>	English (Native), Korean (Basic), R, Python
<b>Laboratory:</b>	PCR, Gel Electrophoresis, Streaking, Agar Plate Preparation, BP Cloning Reaction, E. Coli Transformation, Colony PCR, Pipetting
<b>General:</b>	Ability to work in fast paced environment, strong organizational skills, strong research skills, ability to work under high pressure, strong computational skills

## RESEARCH

### Dell Medical School, LIWC Emotional Tones Project – Research Assistant

August 2020 – Present

- Helped research the efficacy of social media support groups by analyzing the messages within Facebook support groups

### Freshman Research Initiative: Plant Pathways Lab – Undergraduate Researcher

January 2019 – December 2019

- Conducted research in genetic engineering – studied epidermal cell fate pathways in Arabidopsis to produce beneficial mutations that can be applied to crop plants
- Worked with the PIP5K8 gene in Arabidopsis thaliana and researched its involvement within the TTG2 transcription factor

### Scientific Inquiry Across the Disciplines (SIAD) Course

August 2018 – December 2018

- Developed research project that studied the effect of environmental pollution in waterways through testing the effect of heavy metal ions on the metabolisms of aquatic animals in streams

### Biostatistics Course – Statistical Analysis

August 2019 – December 2019

- Developed research project that analyzed the statistical significance of the effect of race and age on prison sentence length for Texas inmates and presented at the Biostatistics Final Poster Session on December 12<sup>th</sup>, 2019

## ORGANIZATIONS & SERVICE

### UTHA Clinic – Volunteer

October 2020 – Present

- Enroll patients into research studies at the Musculoskeletal clinic, once a week

### UT SMILE (Students Making Impact Through Love and Empathy) – Member

August 2018 – Present

- Assist with fundraising and tabling efforts to support organization's mission of service towards children in local Austin area
- Attend volunteer events, volunteer with Austin State Hospital, the organization's main philanthropy and help to plan the organization's annual Brave the Shave fundraiser

### Brave the Shave – Event Planning Committee Member

August 2018 – Present

- Organize and run annual fundraising event that raises over \$30,000 annually for pediatric cancer research and awareness
- Contact sponsors, recruit volunteers, fundraise money and plan day-of-event activities

### Austin State Hospital – Volunteer

August 2018 – Present

- Volunteer in Child and Adolescent Psychiatric Services, every two weeks
- Conduct arts and crafts, play games and sports, and facilitate other social activities with child and adolescent patients

## AWARDS AND HONORS

### University Honors (Fall 2018, Spring 2019, Fall 2020)

Awarded for excellent GPA upon completion of stated semesters

### CNS Second Year Excellence Award (March 2020)

Award for second-year College of Natural Sciences students who have been identified as the top of their class in academic performance as measured by high academic achievement in courses and faculty nomination