

LAREN SPEAR

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Basic Info

- From San Antonio, Texas
- Chemistry student at The University of Texas at Austin
- Elements of Computing certificate
- Starting Masters in Computer Science at Texas A&M in Fall 2021
- FRI Summer Fellowship recipient for Summer 2017
- TIDES Summer Fellowship recipient for Summer 2018
- ICES/Oden Institute funded for Summer 2019

Presentations, Awards, and Honors

- Poster presentation at the TACC Symposium for Texas Researchers (2019)
- Best visiting student award at the 2018 UTSA College of Sciences Research Conference
- Best chemistry presentation award at the 2018 UT Fall Undergraduate Research Symposium
- Poster presentation at 2018 Undergraduate Research Forum at UT Austin

Research Experience

Computational Materials at the University of Texas at Austin (Summer 2017-Spring 2020)

- Created database of 79-atom bimetallic FCC nanoparticles and many of their computed physical properties
- Mentored new students and familiarized them with the research tools used to perform computations
- Completely redeveloped the Python code for the database
- Gave general presentations about the research as well as frequent progress reports of my findings

Programming Experience

- *4 years of Python experience*
- *Linux/Bash command line fanatic*
- *Git*
- *Javascript*
- *MySQL*
- *PHP*
- *HTML/CSS*
- *This resume written in LaTeX*

Relevant Coursework

- *CS 324E - Elements of Graphics and Visualization*
- *SDS 335 - Scientific and Technical Computing*
- *CS 327E - Elements of Databases*
- *AMS 315 - Humanities Data in R*
- *CS 329E - Web Programming*
- *CH 354M - Intro to Computational Methods in Chemistry*
- *NSC 110H - How to Prepare an Effective Talk*
- *UTS 101 - UTeach Step 1 (teaching certification)*

**Activities and
Involvement**

Radio DJ at KVRX Austin 91.7FM (2016-Present)

- Music show once a week
- Review new albums sent in by promoters and sort them in the library
- Past shows at www.mixcloud.com/laren-spear

Study Abroad at the University of Sussex in Brighton, England (Spring 2019)

- *Travel blog at lareninengland.wordpress.com*
- *Lived on my own in a foreign country*
- *Ate fish and chips*

**Personal
Interests**

- *Coffee enthusiast*
- *Extensive trivia knowledge*
- *Large flag collection*