

Megan Le

Email: meganle@utexas.edu

EDUCATION

Joint B.S. Computer Science / M.S. Computational Science, Engineering, and Mathematics August 2018 – present

The University of Texas at Austin

Graduate GPA: 4.0

Undergraduate GPA: 3.99

B.S. Mathematics August 2018 – present

The University of Texas at Austin

Certificate in Computational Science, Engineering, and Mathematics

GPA: 3.99

B.A. English August 2018 – present

The University of Texas at Austin

GPA: 3.99

RESEARCH AND WORK EXPERIENCE

Research Assistant September 2020 – present

Department of Statistics and Data Science / Department of Integrative Biology, The University of Texas at Austin

Advisor: Dr. Vagheesh Narasimhan

Detecting evolution in ancient European populations with admixture scans

CSE 370 (Individual Reading and Research Course) Student January 2021 – May 2021

Oden Institute for Computational Engineering and Sciences, The University of Texas at Austin

Advisors: Dr. David Halpern, Scripps Institution of Oceanography; Dr. Patrick Heimbach, Oden Institute

Evaluated accuracy of ECCO model currents in the Equatorial Undercurrent

Software Development Intern June 2020 – August 2020

Data Modeling Systems Team, The Federal Reserve Board

Developed backend speech recognition component for informational chat bot

Performed Selenium testing and wrote documentation for data submission user portal

Student Researcher January 2019 – May 2020

Freshman Research Initiative Computational Materials stream, The University of Texas at Austin

Advisor: Dr. Juliana Duncan

Developed haptic device software for chemical system simulation

Benchmarked negative curvature solutions for higher-dimensional Newton's Method

TEACHING EXPERIENCE

Undergraduate Teaching Assistant January 2020 – December 2021

CS 439, Principles of Computer Systems; Department of Computer Science, The University of Texas at Austin

Instructor: Dr. Alison Norman

Led weekly discussion sections, held office hours, and graded projects and exams

Peer Research Mentor January 2020 – May 2021

Freshman Research Initiative Computational Materials stream, The University of Texas at Austin

Assisted students with labs and individual research projects

Tutor

August 2019 – December 2020

Sanger Learning Center, The University of Texas at Austin

Tutored students taking Probability, Discrete Math, Data Structures, Introduction to Programming, and Calculus

PRESENTATIONS

** denotes presenting speakers*

Stockton, G.*, **Le, M.***, Yu, S., Chiu, A., Wood, R., Duncan, J., & Henkelman, G. Modifying the Atomistic Machine-learning Package for Real-time Atomic Simulations with DFT Accuracy. Poster presentation at the Texas Advanced Computing Center Symposium for Texas Researchers; Austin, TX, September 2019.

ABSTRACTS

** denotes presenting speakers*

Halpern, D.*, **Le, M.**, & Smith, T. Evaluation of ECCO Currents in the Pacific Equatorial Undercurrent. Poster presentation at the WCRP-WWRP Symposium on Data Assimilation and Reanalysis; virtual, September 2021.

HONORS AND AWARDS

NCWIT Collegiate Award Finalist National Center for Women & Information Technology	December 2021
Undergraduate Research Fellowship The University of Texas at Austin, Office of the Vice President for Research	November 2021
James F. and Bernice M. Hinton Endowed Presidential Scholarship The University of Texas at Austin	May 2021
Advanced Summer Research Fellowship The University of Texas at Austin, Texas Institute for Discovery Education in Science	April 2021
Eva Stevenson Woods Endowed Presidential Scholarship The University of Texas at Austin	May 2020
Second Year Excellence Award The University of Texas at Austin, College of Natural Sciences	March 2020
Freshman Research Initiative Summer Research Fellowship The University of Texas at Austin, Texas Institute for Discovery Education in Science	April 2019

ACTIVITIES

Coding in the Classroom Volunteer Assisted elementary school students in after-school STEM programs	October 2019 – March 2020
Engineering Chamber Orchestra Student Engineering Council Representative/Secretary Recruitment Coordinator	August 2018 – present May 2021 – present May 2020 – May 2021
UT Austin University Orchestra Oboist	August 2018 – May 2019