

Katherine Shei

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Summary

Highly self-motivated college senior with a strong academic record and organizational skills. Utilizes advanced computational software to conduct cancer research and make progress towards a cure for leukemia. Effective leadership experience as President of a student-led non-profit tutoring organization for university and grade school students.

Education

- 8/19-5/21 University of Texas at Austin, Austin, Texas
- 8/17-5/19 Texas Academy of Math and Science at the University of North Texas (UNT), Denton, Texas
President's List

Skills

- 12/19-1/21 Registered Dental Assistant
UT Health San Antonio School of Dentistry, Continuing Dental Education
- Professional training in taking and developing dental radiographs, performing chairside assistance, measuring patients' blood pressure and reviewing their medical history, taking impressions of patients' teeth for study casts, and performing office management tasks
- 12/19-1/21 Basic Life Support (BLS) Provider
American Heart Association Program
- Completed the cognitive and skills evaluations in accordance with the CPR and AED curriculum of the American Heart Association
- 9/17-6/19 UNT Computational Chemistry Research Laboratory
Research Assistant under Andres Cisneros, PhD
- Began as a freshman member of a collaborative team of graduate and postdoctoral researchers who develop computational simulation methods applied to cancer research
 - Composed and analyzed simulations of mutated protein TET2 to identify effects on leukemia
 - Identified mutated residues 141 and 229 as potential contributors to causing leukemia
 - Took initiative to compose a LINUX and AMBER biomolecular software tutorial for future researchers

Work Experience

- 5/20-8/20 Eyeklinik of Edinburgh
Summer Intern under Dr. Wai-Tak Josan Ko, OD
- Observed eye examinations, ocular pathology, and specialty contact lens fittings
 - Helped perform refractions on phoropter
 - Performed front desk organizational and patient scheduling duties
- 7/9/19-8/20/19 Sweet Life Dental
Summer Intern and Dental Assistant under Dr. Shinetin Tzeng, DDS
- Assisted dentist in fillings, crown preparation and buildup, root canals, crown seatings, and deep cleanings
 - Brought patients into rooms and took blood pressure and x-rays
 - Sterilized equipment using autoclave
 - Cleaned and set up rooms after each patient
 - Opened and closed the office
- 6/18-8/19 Tasty Eggroll Restaurant
Cashier/Front-End Operations
- Answered customers' calls, packed delivery orders, and managed sales transactions
 - Entrusted by owner to open restaurant after two weeks of starting, given bonus for extra efforts

Extra-Curricular

- 8/20-12/20 Undergraduate TA for Organic Chemistry I
TUMS Program with Zachariah Page, PhD
- Held weekly office hours to conduct lesson material and exam reviews

- Worked behind the scenes to prepare class materials, proof-check practice problems, and grade assignments
 - Participated in weekly meetings with the professor to discuss progress in office hours and grading
- 12/19-5/20 PLUS Facilitator
Discussion Leader for Biostatistics
- Led weekly study group discussions to review material with students seeking extra help
- 8/18-5/19 TAMS Academic Society
President
- Assign one-on-one tutoring and mentoring for UNT students based on academic needs
 - Led and organized fundraisers for non-profit organization She's the First to sponsor education for girls in Africa
 - Coordinated weekly volunteering services for ESL and Best Buddies to mentor minorities and children with disabilities
- 8/17-5/19 Fred Moore High School Tutor
Committee Head/Tutor
- Established connection with Fred Moore High School to set up TAMS tutoring system
 - Tutored students in Pre-Calculus, Calculus, Chemistry, Biology, and Physics twice a week for two hours
- 8/17-5/18 Forward Tutoring
Tutor
- Answered academic questions from high school students through online forum