

Razan Karar

Coralville, IA | (319) 519-3584 | razan_karar@brown.edu

EDUCATION

Brown University, *B.S. Computer Science*

Providence, RI | **Expected Graduation: May 2024**

Liberty High School

North Liberty, IA | Class of 2020

Activities: Co-president of SIKED (Students for Inclusion, Knowledge, Equity, and Diversity), design editor of school newspaper, Speech Club, Student Senate, Science Olympiad, Robotics, PALs (Peer Assistant Leaders)

Academic honors: summa cum laude, National Merit Scholar, Advanced Placement Scholar with Distinction, Questbridge Excellence in STEM Award, Ron Brown Captain, Lockheed Martin STEM Scholarship, Hills Bank Youth Salute Award, National Honor Society

EXPERIENCE

Google Computer Science Summer Institute

July 2020

- Participated in four-week intensive computer science program and completed introductory project-based JavaScript curriculum
- Delivered collaborative final project presentation that included a live demonstration to Google employees and community leaders

LEDA (Leadership Enterprise for a Diverse America) Scholar

Princeton, NJ | June 2019 – August 2019

- Selected as one of 100 high-achieving students from around the nation to participate in rigorous seven-week Aspects of Leadership Summer Institute at Princeton University
- Participated in college-level writing classes and leadership seminars, as well as college guidance workshops and campus visits

Girls Who Code Summer Immersion Program

Los Angeles, CA | June 2018 – August 2018

- Participated in seven weeks of computer science lessons on Python, web development, and robotics at Warners Bros. Studio
- Used HTML, CSS, and JavaScript to create a website educating public about microaggressions in collaboration with three team members, and presented website at graduation ceremony
- Selected to give the class's graduation speech

Musselman Lab Biochemistry Research Internship

Iowa City, IA | June 2018, August 2018

- Learned and carried out laboratory procedures to investigate the effects of post-histone modifications on cell structure, for a total of 45 hours of direct lab work in collaboration with other interns, graduate student researchers, and lab supervisor
- Assisted in general housekeeping by cleaning and sterilizing lab equipment using autoclave
- Documented daily activities and attended professional development meetings through Workplace Learning Connection

Summer Enrichment Institute

Iowa City, IA | June 2018 & June – July 2017

- Attended three weeks of project-based science, math, English, and photography courses at the University of Iowa
- Won 1st place in 2018 science fair for project investigating taste preferences between tap and bottled water. Won 3rd place in 2017 science fair for project testing the effects of listening to various types of music while studying

VOLUNTEER EXPERIENCE

PALs (Peer Assistant Leaders)

North Liberty, Iowa | August 2019 – March 2020

- Mentored and tutored three students in local elementary schools and a junior high school through weekly individual meetings
- Assisted Liberty High teachers in a Special Education English class and an ELL (English Language Learning) science class through individual student support and lesson translation

National Honor Society

North Liberty, Iowa | April 2018 – March 2020

- Collaborated with rest of executive team to plan and lead monthly meetings and community bonding activities for 50 NHS members
- Tutored students weekly through peer tutoring program
- Planned and implemented check-in process for 300+ students as part of New Student Orientation's planning committee

Iowa Childrens' Museum

Coralville, IA | September 2016– September 2017

- Set-up and supervised interactive science and art booths for holiday events and free admission days, answered questions from visitors, and maintained general cleanliness of museum by cleaning up exhibits

HONORS & AWARDS

Iowa High School Speech Association Competition State-Finalist

IA | April 2020

- Received D1 score (highest rating) at both district and state level for original oratory examining racial disparities within maternal mortality rates in the U.S.

Science Olympiad State-Finalist

IA | April 2019

- Competed in collaborative engineering and science events in both the district and state level
- Worked with partner to create Rube Goldberg device using household items, winning second place in state competition

Razan Karar

Coralville, IA | (319) 519-3584 | razan_karar@brown.edu

TEAMS (Tests of Engineering Aptitude, Mathematics, and Science) Best in State

IA | March 2016 & March 2017

- Competed alongside six team members in timed interactive challenges based on mathematical reasoning, essay-writing, and engineering, with a focus on the Technology Student Association's theme of alternative energy sources

SKILLS & LANGUAGES

Technical Skills: Elementary proficiency in JavaScript, Python, HTML, and CSS. Proficient in Microsoft Office Suite, G Suite, and Adobe InDesign

Languages: Professional working proficiency in Arabic, elementary proficiency in Spanish