

Younna Rabie

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EDUCATION

University of California, Berkeley

Anticipated graduation date: May 2020

Major: Computer Science (BA); Economics (BA) | GPA: 3.62

+ Coursework: Intro to Machine Learning, Database Systems, Efficient Algorithms and Intractable Problems, Data Science Techniques, Data Structures, The Structure and Interpretation of Computer Programs, Discrete Math and Probability Theory, Financial Economics, Behavioral Financial Economics

WORK EXPERIENCE

Software Engineering Intern at Peak6, Chicago, IL

June 2019 – August 2019

+ Developed an app that collects, analyzes and visualizes proprietary application usage statistics using Apache Kafka Streams to help shine more light on consumer habits and app usage patterns.
+ Participated and won a company-wide hackathon by developing an internal Stack Overflow from scratch.
+ Attended options trading education classes, coding standard meetings, and general educational opportunities.

Foundations of Data Science at UC Berkeley, Berkeley, CA

January 2019 – June 2019

+ Taught one two-hour-long lab section per week consisting of 30+ students from various backgrounds.
+ Was responsible for ensuring all students had a strong grasp of the material through attending weekly pedagogy meetings with senior staff, and through holding weekly office hours and being available by appointment.

Foundations of Data Science Tutor, Berkeley, CA

August 2018 – December 2018; July 2019 - Present

+ Taught two hour-long sections per week with 4 students from different academic backgrounds per section.
+ Held office hours during the semester during which students could come and receive specially-tailored help.
+ Acted as Head Tutor, acting as the link between the TA-oriented educational program and that aimed at tutors.

Lawrence Berkeley National Laboratory (LBNL), Berkeley, CA

Undergraduate Research Apprenticeship Program Participant

February 2017 – May 2017

Digital Imaging Labs Employee

May 2017 – December 2018

+ Analyzed audio obtained from over 3000 century-old musical wax cylinders using project-specific technologies.
+ Developed and tested project-specific software in C# in close collaboration with a team of LBNL researchers.
+ Saved the project over \$10000 by helping develop improvements and securing large donations from library alumni.

Educational Technology Services at UC Berkeley, Berkeley, CA

Function Lead, Auditorium Staff

August 2017 – December 2018

Staff, Auditorium Staff

August 2016 – December 2018

NOTABLE PROGRAMMING PROJECTS

+ Designed an algorithm that somewhat efficiently solved an NP-hard problem similar to 3-SAT.
+ Created a basic version-control system that supported pushing, pulling, merging, and committing.
+ Developed a game similar to checkers using alpha-beta pruning allowing for AI vs. AI play.

LEADERSHIP EXPERIENCE

Boeing Accelerated Student Experience (BASE) Extern, St. Louis, MO

July 31st 2018 – August 4th 2018

+ Selected for a four-day externship that developed skills in leadership, teamwork, and cross-functional collaboration.
+ Won first place in the presentation portion of a simulated business-oriented case competition.

Statistics Team Lead at Opportunity Through Data, Berkeley, CA

June 2018 – January 2019

+ Lead a team of 4 in developing an introductory statistics syllabus teaching incarcerated women data science skills and assisting them in securing post-release employment.

Golden Bear Orientation Leader at UC Berkeley, Berkeley, CA

April 2017 – September 2017

ACTIVITIES

Team Tech with the Society of Women Engineers (SWE), Berkeley, CA

September 2017 – May 2018

+ Worked alongside a corporate sponsor to develop and test prototypes to predict implant failure in miniature dogs.
+ Developed the website layout built in Shiny using R along with the software sub-team.

SKILLS

Experienced in Python and Java; proficient in Excel and SQL; some experience with Go, ReactJS, R, Scheme, and HTML/CSS

Languages: English, Arabic, French