

Uthman Momen
488 Bunker Lane | Pleasanton, CA 94566
Phone: (831) 293-4677 | Email: uthman.momen@gmail.com

Education

GPA: 3.76

University of California Berkeley - Class of Spring 2022

Intended Major: Computer Science

Relevant Coursework: Structure and Interpretation of Computer Programs, Designing Information Devices and Systems I, Data Structures, Designing Information Devices and Systems II, Discrete Mathematics and Probability (current)

Experiences

Research Intern | Berkeley Labs Department of Computing Sciences

Vehicle Movement Representation | May 2020 - August 2020

- Analysed and manipulated large databases of vehicle movement data
- Implemented data modeling solutions for better visual representations
- Created a friendly user interface for added flexibility when visualizing data

Research Intern | Berkeley Labs Department of Computing Sciences

Autonomous Vehicle Interactions | June 2018 - August 2018

- Designed and implemented a traffic simulation model using MatSims modeling
- Developed a function that would intake data from the traffic model and return data about the traffic flow and speed
- Built a function that would calculate the percentage of autonomous vehicles currently on the road and calculate the effect of traffic

Extracurriculars

Robotics

Robotics at Berkeley Club | August 2019 - present

- Worked in small teams to plan, design and prototype a robotics idea that could be eventually used in the real world. My first project was a sound activated light switch. Gained experience using arduino and 3D printing practice.

Skills

Experienced:

Java, Python

Familiar/Learning:

Javascript, React, Node JS MongoDB

Projects

Web Application:

I built a small scale web application using technologies such as React and Node JS for the front end while using MongoDB and GraphQL for the backend. I'm always looking for ways to update and improve it when I can.