Uthman Momen

University of California, Berkeley
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Education

University of California Berkeley   *GPA 3.79/4.00*   *Fall 2019 - Spring 2022*

Intended Major: Computer Science

Relevant Coursework: Data Structures, Efficient Algorithms and Intractable Problems (current), Computer Architecture (current), Structure and Interpretation of Computer Programs, Discrete Mathematics and Probability

Experiences

Research Intern | Berkeley Labs Department of Computing Sciences

Vehicle Movement Representation   *May 2020 - August 2020*

- Analyzed 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. I Gained experience in using arduino and 3D printing.

Skills

Experienced:	Java, Python
Learning:	Javascript, React, Node JS, MongoDB
Software:	Git, Jupyter, Numpy, Pandas, Folium

Projects

Web Application:

Working on creating a fully functional mobile app to help motivate learning. The app is being built using React Native, Node JS and MongoDB. We decided to build the app using React Native so that it would be easier to deploy it across Android and iOS.