MA

Michael
ANDERSON

SENIOR BEHAVIORAL SIMULATION ENGINEER

I am a seasoned Behavioral Simulation Scientist with a strong focus on the automotive industry, specializing in the development of driver behavior simulations to enhance safety and efficiency. With over 9 years of experience, I have led projects that integrate behavioral insights into vehicle design and traffic systems, resulting in significant reductions in accidents and improved traffic flow.

CONTACT

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- San Francisco, CA

SKILLS

- automotive simulation
- data analysis
- machine learning
- traffic modeling
- collaboration
- project management

LANGUAGES

- English
- Spanish
- French

EDUCATION

M.S. IN TRANSPORTATION ENGINEERING, UNIVERSITY OF MICHIGAN, 2011

ACHIEVEMENTS

- Received the Road Safety Innovation Award for contributions to driver safety simulations.
- Published research on driver behavior in top engineering journals.
- Led initiatives that improved traffic safety metrics by 20%.

WORK EXPERIENCE

SENIOR BEHAVIORAL SIMULATION ENGINEER
AutoSafety Innovations
2020 - 2025

- Developed driver behavior simulation models that reduced accident rates by 25% in testing phases.
- Collaborated with engineers to integrate behavioral data into vehicle design processes.
- Led cross-functional teams to analyze traffic patterns and optimize vehicle performance.
- Presented simulation findings to stakeholders, influencing design decisions.
- Utilized machine learning algorithms to enhance simulation accuracy.
- Conducted research on driver behavior trends and their impact on road safety.

BEHAVIORAL ANALYST
Traffic Solutions Corp
2015 - 2020

- Analyzed traffic data to inform simulation models, improving traffic flow by 15%.
- Worked with software teams to develop user-friendly simulation tools for traffic analysis.
- Conducted studies on driver behavior under different traffic conditions.
- Assisted in the development of a simulation that received national recognition.
- Collaborated with city planners to implement simulation insights into urban design.
- Provided training on simulation software to local agencies.