

Dr. Robert Chen

Principal Data Scientist | 10 years experience

Contact: robert.chen@email.com | Palo Alto, CA

Education:

- PhD in Applied Mathematics, Stanford University (2014)
- MS in Statistics, UC Berkeley (2011)
- BS in Computer Science, Tsinghua University (2009)

Experience:

Principal Data Scientist - Tesla (2020-Present)

- Lead data science for autonomous driving perception systems
- Developed computer vision models for object detection and tracking
- Built large-scale data processing pipelines for sensor data analysis
- Managed team of 12 data scientists and ML engineers
- Published research on autonomous vehicle perception at top conferences

Senior Data Scientist - Waymo (2017-2020)

- Developed deep learning models for self-driving car navigation
- Built simulation frameworks for autonomous vehicle testing
- Created sensor fusion algorithms combining camera, lidar, and radar data
- Led cross-functional teams on safety-critical ML systems

Research Scientist - NVIDIA (2014-2017)

- Conducted research on deep learning and computer vision
- Developed GPU-accelerated machine learning algorithms
- Published 15+ papers in top-tier conferences and journals

Technical Skills:

- Programming: Python, C++, CUDA, SQL
- ML/DL: TensorFlow, PyTorch, JAX, OpenCV
- Computer Vision: YOLO, R-CNN, Mask R-CNN
- Robotics: ROS, SLAM, sensor fusion
- HPC: CUDA, MPI, distributed computing
- Cloud: AWS, GCP, Azure

Publications: 25+ peer-reviewed papers, 2000+ citations