

# Natasha Volkov

## Computer Vision Engineer

**Email:** natasha.volkov@email.com

**Location:** Berlin, Germany

**Experience:** 6 years

## Professional Summary

Computer vision specialist with 6 years experience building AI-powered visual recognition systems. Expert in Python, deep learning, and production computer vision applications.

## Professional Experience

**Senior Computer Vision Engineer** | Autonomous Vehicle Startup | 2021 - Present

- Built real-time object detection system for self-driving cars using Python, PyTorch, and CUDA
- Led computer vision team of 8 engineers developing perception algorithms for Level 4 autonomy
- Shipped lane detection and traffic sign recognition models achieving 99.5% accuracy

**Computer Vision Engineer** | Manufacturing AI | 2020 - 2021

- Developed defect detection system for factory automation using Python and OpenCV
- Built quality control AI reducing manufacturing defects by 80% and saving \$5M annually
- Implemented edge deployment pipeline for real-time inference on factory floor

**Research Engineer** | Computer Vision Lab | 2018 - 2020

- Published 8 papers on deep learning for computer vision at CVPR, ICCV, and ECCV conferences
- Developed novel convolutional architectures for image segmentation using Python and TensorFlow
- Won "Best Student Paper Award" at International Conference on Computer Vision

## Technical Skills

- **AI/ML:** 6 years Python, 5 years Computer Vision, 4 years Deep Learning, 3 years PyTorch, 2 years TensorFlow

- **Vision:** 5 years OpenCV, 3 years CUDA, 4 years Image Processing
- **Leadership:** 2 years Team Management

## Education

**Ph.D. Computer Vision** | Technical University of Munich | 2020

**M.S. Computer Science** | Moscow State University | 2016

**B.S. Applied Mathematics** | Moscow State University | 2014