

# First Last

## Machine Learning Engineer

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Machine learning engineer with 10 years of experience implementing statistical machine learning solutions and demand forecasting models to improve forecast accuracy. Key achievement: optimized personalization algorithms for 25+ applications with 372K users.

### RELEVANT WORK EXPERIENCE

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#### Resume Worded, New York, NY

2015 – Present

##### Machine Learning Engineer

- Tracked the health of 15+ robots using React/Redux with NodeJS backend and Python scripts, which collected 100TB of data from its sensors.
- Designed a deep learning model to detect and classify anomalies in the manufacturing process of 34+ industrial robots, reducing 83% of their monthly downtime.
- Researched TensorFlow LSTM networks for speech recognition, OpenCV object tracking algorithms, and 11+ new technologies; enhanced 74% of a dancing robot's performance.
- Conceived and created a machine learning algorithm that detects deviant behavior in robots using SIFT, HOG, and 20+ other computer vision methods.

#### Growths, San Francisco, CA

2013 – 2015

##### Automation Engineer

- Enhanced an automatic data processing machine performance by analyzing, testing, and debugging 2500+ lines of code.
- Developed work instructions and algorithms for 30+ newly installed hardware, converting Growths production floor from manual to 100% computer-controlled.
- Established computerized process efficiency standards and implemented procedural controls; reduced overhead for 300+ clients and increased their annual sales profits by \$150K YoY.
- Created a computer program to monitor the performance of 45+ robotic arms and coordinate their functions based on the diagnostics from the computer.

#### Resume Worded Exciting Company, San Francisco, CA

2011 – 2013

##### Computer Systems Analyst

- Examined desktop usage patterns based on analysis of 10 TB of data from call center reports; created a solution that boosted employee productivity by 78%.
- Identified and resolved issues of network performance degradation, increasing system availability from 48% to 97% in the first month.
- Designed algorithms to enhance data throughput between 50K mobile users and base stations while working on the largest network upgrade for RWEC.

### EDUCATION

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#### Resume Worded University, New York, NY

2011

Bachelor of Science – Electrical Engineering and Computer Science

### SKILLS

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**Technical Skills:** Deep Learning (Advanced), Predictive Modeling (Experienced), Statistical Analysis, Algorithms

**Languages:** English (Native), German (Fluent), French (Conversational)