The Career of a Machine Learning Developer

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Abstract

When discussing the jobs that computer scientists can pursue, one of the newest positions is that of the machine learning developer. This position is mostly about working with other organizations to implement and maintain machine learning systems for new problems and for creating efficiency in the system. Machine learning also has been shows to replace a large number of human applications, potentially paving the way for a technological revolution in the job force. With the rapid development and changes that we see in the world today, the machine learning developer’s job could be considered a keystone to the future.

Keywords: Machine Learning Career, Software Development

The Career of a Machine Learning Developer

The technological revolution that has occurred in the past 20 years has take consumers all the way from car mounted phones to machine learning algorithms that aid in space travel. Machine learning is a very new topic among the computer science community, and it is important to take note of the position’s inner workings since this technology could be providing people with the capabilities to usher in a new dawn of technology.

# Job Description

## Description

Machine learning developers build software applications that utilize machine learning principles. Through a complex mural of computer science and mathematics, machine learning was made as a way to intrinsically replicate the processes that the human mind runs. Though this may sound like a easy way to create rouge artificial intelligence, like in the movie *Terminator*, it is better to picture a machine learning developer as a specific member of a project team of software developers.

## Typical Job Tasks of a Machine Learning Developer

### **Create machine learning systems**

The machine learning development process typically begins with introducing problems that humans find difficult to solve and allowing machines to accomplish the task. Machine learning makes this process easier to adapt to human problems.

### **Use machine learning as a way to maximize efficiency**

This process is when a machine learning developer is brought onto a development team and this team works with typically non-machine learning software. The process essentially removes most of the human needs from the original programs and allows for a dramatic and rapid increase in productivity.

## Typical Job Advertisements

### **Staff Machine Learning Engineer**

https://www.linkedin.com/jobs/view/staff-machine-learning-engineer-at-opendoor-3392004186?utm\_campaign=google\_jobs\_apply&utm\_source=google\_jobs\_apply&utm\_medium=organic

### **Applied Artificial Intelligence and Machine Learning Developer**

https://www.linkedin.com/jobs/view/applied-artificial-intelligence-and-machine-learning-developer-at-deloitte-3381844141?utm\_campaign=google\_jobs\_apply&utm\_source=google\_jobs\_apply&utm\_medium=organic

# Career Possibilities

## Salary Range

The salaries for machine learning developers/engineers range from around $80,000 per year to $150,000 per year. Most of this variance comes from the types of companies that need machine learning in their systems.

## Types of Industries

### **Robotics**

The robotics industry is one of the most impacted industries since the industry depends on the implementation of human-like systems.

### **Automotive**

We see the emergence of machine learning technologies today from companies that implement lane correction. This is usually done through machine learning software.

### **Manufacturing**

The Manufacturing industry also has a lot to gain from the application of machine learning. The speed of systems and the ability of those systems to recognize changes needed and process management.

## Geographic Locations

### **Location One (i.e. Northern Virginia)**

Describe the location/region/state.

### **Location Two.**

The…

### **Location n...**

Need as many tasks as you find……

# Preparation

## Training

Paragraph(s) here to describe Training to prepare for this career.

## Education

Paragraph(s) here to describe education needed to prepare for this career.

## Work Experience

Paragraph(s) here to describe work experience to prepare for this career.

# Fulfillment of Giftings (SWOT Analysis)

## Giftings

Provide s summary/outline paragraph (or more) to identify your giftings (strengths) as they relate to this profession and others.

## Professional Need Analysis

Provide s summary/outline paragraph (or more) to identify the gifts (strengths) that are needed in this profession.

## Gifting Gap Analysis

Provide s summary/outline paragraph (or more) to identify the your shortfalls (weaknesses) are as they relate to this profession.

Provide s summary/outline paragraph (or more) to identify where to focus your education (opportunities) are as they relate to your educational goals.

## Kingdom Mission

Provide s summary/outline paragraph (or more) to identify where this profession furthers the Kingdom Mission and what obstacles (threats) stand in your way.

# Conclusion

The conclusion summarized your findings. Conclusions should not include new information. Introducing new information in a conclusion would be like quoting a speaker before they speak.

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