

Machine Learning Engineer

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San Francisco, CA

Machine Learning Engineer with background in project management. Had experiences analyzing massive text, images, and sound data, developing various analytic and predictive models from statistics to deep learning models, visualizing the result of the analysis. Seeking opportunities to leverage machine learning, research for solutions, and software development skills in a collaborative environment.

Authorized to work in United States with sponsorship

Work Experience

Machine Learning Engineer

Minds Labs - Ridgefield Park, NJ

January 2018 to April 2018

- Improved customer service system for Samsung home appliance team by developing classification models using recurrent neural network in Python and Theano with attention techniques increasing accuracy by 94%.
- Developed call data evaluation model for customer satisfaction department via sentiment analysis developed using support vector machine (SVM) and gradient boosting tree in Python, Scipy, and Scikit-learn.

Research Intern

Modu Labs

June 2017 to September 2017

- Designed detection system of respiration rate using advanced convolutional neural network (CNN); improved accuracy by up to 81% utilizing Python and TensorFlow.
- Optimized method to extract respiration pattern using modified cross correlation and frequency modulated continuous wave from 18 kHz to 20 kHz implemented with MATLAB.

Project Manager

KT DS Co., Ltd

February 2009 to December 2013

- Proposed new app and led project that sends bills directly to customers' mobile devices, increasing efficiency and convenience for 10,000+ users based on cloud infrastructure.
- Analyzed existing workflow of projects to create modified roadmaps and maintenance plans which increased productivity of engineers and decreased ratio of critical system bugs by up to 20% after deployment.

Project Manager

The Republic of Korea Air Force

September 2005 to December 2008

- Oversaw team of 5 that developed standard web framework for all applications utilized by various Air Force departments, leading to reduction of development time by > 50% and improved maintainability by over 200%.
- Built early warning system for risk management team using Java; awarded Air Force Chief of Staff Citation .

Education

Master of Science in Data Science

Pace University, Seidenberg School of Computer Science and Information Systems New York, NY

May 2018

Bachelor in Computer Science

Yonsei University

February 2005

Skills

PYTHON (Less than 1 year), SQL (3 years), Machine Learning (Less than 1 year)

Links

<http://linkedin.com/in/chulwoo>

<https://github.com/chulwookim82>

Additional Information

TECHNICAL COMPETENCIES

Programming Languages: Python, R, SQL