

Bulent Siyah

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Software Engineer In Deep Learning

I have developed 'native' applications for Android and IOS Operating Systems at the field of Mobile Software. My works are based on Machine learning and Deep learning which are sub-branches of artificial intelligence. Especially, I developed 'Intelligence Mobil Applications' by combining developments at Artificial Intelligence with the mobile applications.

Also I work on classifications of X-Ray and Mammography images at artificial Intelligence at health. I work on catching human inside a video, following him/her through end of video and defining actions of human on video processing.

You can access my work in all areas on my website (www.bulentsiyah.com). In addition to my website, you can review the source codes of all my works from my Kaggle, Github and Gist profiles.

Experience

Software Engineer in Deep Learning – SoftTech Software Tech. Inc. 10/2018 -Present

I am working as "Deep Learning Engineer" at SoftTech Software Technologies. My works are based on medical image processing, video processing, driving autonomous drone.

Mobile Application Developer – Geobilgi IT Technologies , *Istanbul/Turkey* 06/2015 – 07/2018

I worked as "Mobile Application Developer" at Geobilgi IT Technologies. I developed IOS and Android applications through the company's current technologies and developing boutique software.

Mobile Application Developer – Rota Internet Technology Services , *Istanbul/Turkey* 07/2012 – 06/2015

I worked as a "Mobile Application Developer" at Rota Internet Technology Services. As a vehicle tracking company, I developed applications in the field of Android Devices Tracking and Geographic Information Systems.

Education

Mustafa Kemal University, Turkey – Computer Engineering 2008 – 2012

I graduated from Mustafa Kemal University Computer Engineering Department in 2012 (3.06 / 4). I saw my education at the University's Iskenderun Campus. The Faculty of Engineering was connected to the newly established Iskenderun Technical University in 2015.

Skills

Deep Learning, Machine Learning, Reinforcement Learning, Genetic Algorithms, Android Developer, IOS Developer,

Deep Neural Networks (DNN), Convolutional Neural Networks (CNN), Recurrent Neural Networks (RNN), Long Short-term Memory (LSTM), Image Classification, Object Detection, Image Segmentation,

Python, Java, C#, Kaggle, Keras, U-Net, YoloV3, Pose Estimation, Siamese Network

Projects

Machine Learning Projects

- Plant Disease Using Siamese Network
- Name of Container and License Plate Recognition via Deep Neural Networks (Yolov3)
- Object Detection, Heat Map, Pose Estimation, Human Action Recognition
- Classification of Chest X-Ray Images (Pneumonia)
- Classification of Skin Lesions using CNN
- Machine Learning Apps for Android (Android)
- Machine Learning Applications for IOS (IOS)
- Green Restricted Vehicle Routing Problem Optimization (Genetic Algorithm, C #)
- Book Container Placement Problem with Genetic Algorithm (Genetic Algorithm, C #)
- Non-Directional Chinese Postman Problem, An Application for Garbage Collection Tools (Genetic Algorithm, C #)
- Logistics Network Design Problem with Genetic Algorithm - Hybrid Solution with Gams (C #)
- Distribution Problem with Genetic Algorithm-Vehicle Routing Problem (C #)
- Maximum Weighted Clique Problem with Genetic Algorithm (MWCP) (C #)
- Double Sided Assembly Line Balancing with Genetic Algorithm (C #)
- Point-to-Point Path and Route Planning Using Genetic Algorithm (C #)
- Vehicle Routing Problem with Genetic Algorithm (C #)
- A Data Mining Application on Breast Cancer Data with Oracle Data Miner XOR and Andean Gate With Artificial Neural Network (Pic Assembly)

Mobile Projects

- Android Application Development Training Program (I created it myself - Android)
- Field Operations Applications
 - Traffic Directorate Field Operations Application (Android)
 - 'Notification Basic' Field Application (Android And IOS)
 - Law Office Duty Tracking Application (IOS)
 - Mobile Disaster Management (Android)
- Other Applications
 - Aircraft Tracking System (Vfr Flying Aircraft) (Android)
 - Toyota Turkey Implementation Mobile (Android)
 - Adana in April (Event) Mobile Application (Android)
 - Family Reminder App (Android)
 - Stop Second Call App (Android)
 - Mobile City Guide (Android And IOS)
 - Motion Recognition Application with Gyroscope Sensor (Android)
 - Pulse Control and Positioning Application (Alzheimer etc. for the elderly and in need of care) (Android)
 - Promoter Supervision And Data Transfer Mobile Applications (Android And IOS)
 - Document Scanning and Photo Document Sending Application (Android)
 - Passenger Information and Media System (Android)

- Ship Information System Remote Control Application (IOS)
- Vehicle Tracking and Fleet Management Systems Mobile Application (Android)

Certifications

Machine-Deep Learning

- Python ile Yapay Zeka: A'dan Z'ye Reinforcement Learning
- Deep Learning Computer Vision™ CNN, OpenCV, YOLO, SSD & GANs
- YOLO v3 - Robust Deep Learning Object
- Applied Machine Learning For Healthcare
- Example: Practical Convolutional NNs
- Natural Language Processing A-Z™: (NLP)
- Elements of AI - The University of Helsinki The University of Helsinki
- A-Z™ | Introduction to Deep Learning
- Decision Trees for Machine Learning
- Deep Learning and Python: Deep Learning from A to Z
- Face and Object Recognition with Computer Vision | R-CNN, SSD, GANs
- Data Science and Python: Data Science From Scratch to Expertise
- Data Visualization: Data Visualization A-
- Machine Learning and Python: Machine Learning from A to Z
- Neural Networks Fundamentals in Python
- TensorFlow 101: Introduction to Deep Learning
- Machine Learning with Python A-Z™
- Python: Programming from Scratch to Expertise
- Artificial Intelligence and Machine Learning | TensorFlow

Mobile Machine Learning

- Complete IOS 11 Machine Learning Masterclass
- Machine Learning IOS 11
- Train Machine Learning model with IBM Watson, Core ML
- Fundamentals of Core ML: Machine Learning for IOS
- Hands-on TensorFlow Lite for Intelligent Mobile Apps
- Mobile Machine Learning for Android: TensorFlow & Python
- Kotlin Programming Training
- IOS 11 & Swift 4: Beginner to Advanced Mobile Application

Other

- Portfolio Management and Consultancy

Language

- Turkish (Native or Bilingual)

- English (Professional Working)