



Bulent Siyah

Istanbul , Turkey

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Software Engineer (Computer Vision | 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 Mobile 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

Deep Learning Software Engineer – SoftTech Software Tech. Inc. , *Istanbul/Turkey* 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

Hard Skills

Deep Learning, Computer Vision, Computer Engineering, Software Developer, Genetic Algorithms,

Python, Deep Neural Networks (DNN), Convolutional Neural Networks (CNN), Image Classification, Object Detection, Image Segmentation, Keras, U-Net, YoloV3, Siamese Network,

Soft Skills

C#, Java, Machine Learning, Android Developer, IOS Developer, Reinforcement Learning, Recurrent Neural Networks (RNN), Long Short-term Memory (LSTM), Pose Estimation, Pytorch, Tensorflow,

Projects

Machine Learning Projects

- Deep Learning based Aerial Semantic Segmentation (Python)
- Plant Disease Using Siamese Network (Python)
- Name of Container and License Plate Recognition via Deep Neural Networks (Yolov3,Python)
- Object Detection, Heat Map, Pose Estimation, Human Action Recognition (Python)
- Classification of Chest X-Ray Images (14 diseases, and one for "No findings") (Python)
- Classification of Skin Lesions using CNN (Python)
- 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

- Machine Learning Apps for Android (Android)
- Machine Learning Applications for IOS (IOS)
- Android Application Development Training Program (I created it myself – Android)
- Traffic Directorate Field Operations Application (Android)
- Mobile Disaster Management (Android)
- Aircraft Tracking System (Vfr Flying Aircraft) (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)
- Ship Information System Remote Control Application (IOS)
- Promoter Supervision And Data Transfer Mobile Applications (Android And IOS)

Certifications

Machine Learning

- Python ile Yapay Zeka: A'dan Z'ye Reinforcement Learning
- YOLO v3 - Robust Deep Learning Object
- Applied Machine Learning For Healthcare
- Deep Learning Computer Vision™ CNN, OpenCV, YOLO, SSD & GANs
- Beyond MNIST Example: Practical Convolutional NNs
- Doğal Dil İşleme A-Z™: (NLP)
- Elements of AI - The University of Helsinki
- A-Z™ | Derin Öğrenmeye Giriş
- Deep Learning ve Python: A'dan Z'ye Derin Öğrenme
- Decision Trees for Machine Learning
- Neural Networks Fundamentals in Python
- TensorFlow 101: Introduction to Deep Learning
- Bilgisayar Görüşü ile Yüz ve Nesne Tanıma | R-CNN, SSD, GANs
- Python: Sıfırdan Uzmanlığa Programlama
- Data Science ve Python: Sıfırdan Uzmanlığa Veri Bilimi
- Data Visualization: A'dan Z'ye Veri Görselleştirme
- Machine Learning ve Python: A'dan Z'ye Makine Öğrenmesi
- Python ile Makine Öğrenmesi A-Z™
- Yapay Zeka ve Makine Öğrenimi | Tensorflow

Mobile Machine Learning

- Train Machine Learning model with IBM Watson, Core ML
- Machine Learning iOS 11
- Complete iOS 11 Machine Learning Masterclass
- Mobile Machine Learning for Android: TensorFlow
- Fundamentals of Core ML: Machine Learning for iOS
- Hands-on TensorFlow Lite for Intelligent Mobile Apps
- Kotlin Programlama Eğitimi
- Swift 4: Başlangıçtan İleri Seviyeye Mobil Uygulama

Other

- Portfolio Management and Consultancy
- Certified Drone Pilot to Fly for Commercial Use

Language

- Turkish (Native or Bilingual)
- English (Professional Working)