IDAN ANGEL
DATA SCIENTIST

Summary

I'm an experienced Data Scientist and software engineer with endless curiosity and passion for technology, software, machine learning, statistics, math, and problem solving.

Employment

JP Morgan
Data Scientist/Machine Learning Engineer — 2018 to Current

- Building fraud detection models: creating datasets, data cleaning, feature engineering, model training, performance measuring and visualizing
- Using Spark and Hadoop, working on deploying the models to production with engineering teams

BeeEye
Data Scientist/Machine Learning Engineer — 2017 to 2018

- Created datasets, trained and measured models, visualized data and results
- Using sklearn GridSearchCV for hyper-parameter tuning combined with domain-knowledge-based feature engineering, I improved model performance by 45%

Cisco
Sr. Software Developer — 2016 to 2017

Developed network traffic classification software which is integrated into Cisco's routers, switches and APs

Intel
Sr. Software Developer — 2014 to 2016

- Developed RT embedded software for WiFi core
- Developed analysis and debug engineering tools to assist the WiFi firmware development using Python and C#

Product Manager — 2013 to 2014

- Managed and was the sole owner of an inbound automation product, formed the Product Vision
- With careful prioritization and definition of tasks I was able to increase MTBF from 12 hours to 30 days
- Reduced the required support from development team by 90% by initiating and prioritizing a web interface for common configuration tasks

Qualcomm
Team Lead — 2010 to 2013

- Managed a team of 4 engineers and one intern, owned and developed 5 embedded VI drivers on mobile phones in C++ and C
- Designed, implemented, tested and simulated software; worked directly with the hardware on bring-up, testing, building and debugging

Sr. Software Engineer — 2007 to 2010

- Delivered full working features, including implementation, unit tests, system tests and simulation
- Optimization initiated and executed by me reduced build time by 50% using incremental builds
- A change of the team branching strategy I initiated and executed led to 80% decrease in code merging tasks

Technion
Project Instructor in the Technion VLSI Research Center, EE Department — 2007 to 2012

- Defined and supervised final projects. Instructed students, reviewed and graded the projects. Projects were in the field of Networking, QoS, Genetic Algorithm and System on a Chip

Elbit Systems
RT Embedded Software Engineer (student, part time most of the period) — 2005 to 2007

- Developed multi-threaded c and c++ image processing applications and BSP for RT Embedded systems
- Was the sole owner of the system simulator in all respects: definition, implementation and testing

IDF
Signal Officer, 8200 Unit at the Intelligence Corps (lieutenant) — 1999 to 2002

- Managed a team of 5 people, received a perfect score, 100, in a review of my team

Contact

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Education

Coursera
Data Science Specialization
2015
Machine Learning, Data Mining, Data Visualization
Practical implementation in Python (numpy, scipy, matplotlib, sklearn, pandas, TensorFlow, keras)

Technion
Bsc. Computer Engineering
2007

On Job Training
Various courses in Advanced Networking, Advanced OOP and OOD, Design Patterns, Multi-Core Systems, agile

Skills

SOFTWARE DEVELOPMENT
C++
C
Python
Java
Multithreading
C#
Design

DATA SCIENCE
pandas
sklearn
matplotlib
TensorFlow
numpy
Spark