Josh Friedlander

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SUMMARY

- I research, develop and deploy ML models with high-quality, cloud-native code. Proficient with Git, Linux, Unix tools, {ba,z,k,fi}sh scripting
- Technologies: PyData stack (Pandas, Numpy, Scikit-Learn, Tensorflow, PyMC3, statsmodels, NetworkX), Docker, Kubernetes, Jupyter, Emacs

WORK EXPERIENCE

Lead Data Scientist
Kando | Tzur Yigal, Israel   *2020-*
- Developing time-series prediction algorithms for detecting pollution events
- Researching anomaly detection and digital signal processing techniques
- Writing Python libraries for internal company use (data cleaning, building and parsing tree objects, making Machine Learning models reproducible)
- Impromptu data engineer: setting up ML infrastructure and pipeline from ground up, writing Dockerfiles, managing Kubernetes installation
- Managing multiple teams of interns, code reviewer for junior developers

Data Scientist
Perceptive AI | Tel Aviv, Israel   *2018-2020*
- Worked at a seed-stage startup implementing a churn prediction algorithm (Survival Analysis) in the field of Customer Success for SaaS companies
- Feature engineering, processing/analysing data, writing algorithms
- Wrote scripts in bash and Perl to automate the boring stuff
- Worked in the cloud (AWS), developing on a remote host for data security
- Optimised speed and removed bottlenecks within code (e.g. by vectorising complex algorithms or researching optimised storage formats)

Data Science Intern
Anodot | Ra'anana, Israel   *Fall 2018*
- Built LSTM for time-series analysis of seasonal retail data and compared results with other state-of-the-art methods (e.g. Facebook Prophet)

Data Analyst
Positive Mobile | Herzliya, Israel   *2016-2018*
- Created and then automated complex Excel reports using VBA
- Wrote Python webapp letting traders update Redis DB for ML algorithm

IDF Service Economic intelligence NCO in COGAT   *2013-2016*

EDUCATION

Israel Tech Challenge - Data Science Fellow   *Summer 2018*
- Elite ten-month full-time program covering Deep Learning and Computer Vision, emphasising research and self-led learning
- Capstone projects: built a web scraper automated with a cron job storing data in a cloud-based DB, and an NLP project written up for program's blog

B.A. - Jerusalem College of Technology   *2010-2013*

MISC

Interests ⚶ nature walks ⏞ dataviz ⚙ future of mobility ☕ coffee ◉ podcasts

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Languages Python, R, SQL, AWK...   Hand-written with ♥ in Vim and LaTeX