Dat Tran

Born April 30, 1988 in Hanoi, Vietnam

Address: Breite Straße 33
13597 Berlin, Germany

E-Mail: datitran@gmail.com

Phone: +(49) 151 2296-3660

Web: http://dat-tran.com/

LinkedIn: https://www.linkedin.com/in/dat-tran-a1602320

Github: https://github.com/datitran

Twitter: @datitran

Summary

Experienced technology and business leader with a strong focus on smart (data) products. Passion for building up high performance, cross-functional and self-managed balanced teams (from scratch). Open-source and machine learning evangelist with global reach. Currently co-heading the data team at idealo (www.idealo.de) with a special focus on building up the data science/data engineering team. My interests are diverse from traditional machine learning, deep learning, AI in general to computer vision. I have a lot of experiences from devising realistic data-driven use cases to the actual implementation into a real product; more than capable of distinguishing hype, buzzwords and wannabes from substance. Big fan of agile practices, lean product development and open-source technologies. I mainly use Python and the PyData stack for anything that I do but I also know a bit about Apache Spark, TensorFlow, R, SQL and many other stuff. I also regularly blog about my work on Medium and also speak at conferences such as PyData.

Experience

- **idealo internet GmbH**   Berlin, GER
  Head of Data Products at idealo   *10/2017 - present*
  - Co-head of the data team (25+ people) with a special focus on building up the data science/data engineering team (built up from scratch - hired 6 people within 9 months)
  - Led the data science team directly where my team's research focus is on:
    * Interpretability of deep learning models (mainly computer vision problems)
    * Efficient deployment of machine learning models
    * AutoML
    * Data collection process (in-house labeling and external mechanical turk approaches)
  - Provided technical and scientific guidance to senior team members and also our machine learning trainees
  - Created the machine learning powered roadmap for idealo for both product and research
  - Turned the data team from a pure cost center into a profit center e.g. monetarizing our data for CRM campaigns which resulted in EUR 1 million additional revenue
  - Set up a regular knowledge sharing session internally and externally across the Axel Springer companies including Bonial, Upday etc.
  - Established the open-source strategy under the idealoTech umbrella and executed it e.g. created and managed the idealoTech blog (https://medium.com/idealo-tech-blog), idealo's Github landing page and also the @idealoTech channel on twitter
  - My team open-sourced several projects with high business impact:
    * image-quality-assessment (Convolutional Neural Networks to predict the aesthetic and technical quality of images.) - https://github.com/idealo/image-quality-assessment

* image-super-resolution (Keras implementation of the Residual Dense Network for super scaling images.) - `https://github.com/idealo/image-super-resolution`

- **Springboard** — Remote, USA
  Mentor for the AI/ML career track, `https://www.springboard.com/` — *01/2019 - present*

- **Data Festival** — Munich, GER
  Member of the program committee, `https://www.datafestival.de/` — *05/2018 - present*

- **Thesis Advisor** — Berlin, GER
  Co-supervised thesis — *2018*
  - Hong Ngoc Truong. Bachelor Thesis, co-supervisor with Prof. Dr. Manfred-Erich Jäger-Ambrozewicz, HTW Berlin - University of Applied Sciences, Germany. Title: "Machine Learning: Tree-Based Algorithms"

- **Pivotal Inc.** — Berlin, GER
  Senior Data Scientist at Pivotal Labs — *10/2015 - 10/2017*
  - Leading and managing the Data Science practice for Pivotal Labs Berlin
  - Created machine learning models and put them into production for various clients
  - Supported pre-sales activities by creating demos/proof of concepts and blog articles
  - Scoped data science projects including proposal writing, resource estimations and budget allocation
  - Provided data science thought leadership, for example, helped to establish the smart apps idea and XP practices into data science like TDD (`http://tinyurl.com/gme62kr`), pair programming and CI/CD
  - Established an API First culture within the company: `http://tinyurl.com/z9kv5ae`
  - Gave talks at PyData Berlin, London, San Francisco 2016 and CF Summit Europe 2016
  - Data Scientist from 10/2015 - 06/2016

- **Accenture GmbH** — Berlin, GER
  Data Scientist at Accenture Digital — *08/2014 - 09/2015*
  - Built up internal capabilities and showcases in the area of network analytics, operations analytics, text analytics, customer analytics and data visualizations
  - Worked on setting up an analytics center of excellence for a large German airline
  - Led and co-ordinated workshops at customers to demonstrate the value of data science
  - Acted as point of contact for internal requests of various advanced analytics topics such as machine learning and optimization
  - Supported pre-sales activities by creating proof of concepts for clients in telecommunication, aviation and automotive
  - Helped to organize internal and external events such as TEDxRheinMainSalon Datanauts and LMU DataCrunch

- **Sy Restaurant** — Berlin, GER
  Working in the Family Business, `http://www.sy-restaurant.de/` — *12/2006 - present*
  - Supported the formation of a new branch in Berlin Spandau
  - Developed and managed the service
  - Managed online marketing activities (SEO, review portals and social networks)

Education

- **Humboldt University of Berlin** — Berlin, GER
  Master of Science in Business Administration, Grade 1.9 — *10/2011 - 12/2013*

- Field of Specializations: Operations Research and Econometrics
- Research Interests: Graph Theory, Queuing Theory and Dynamic Programming
- Master Thesis: Optimal Design for an Online Dutch Auction Selling Airline Tickets
  Advisor: Prof. Dr. Kurt Helmes, Department of Operations Research, Grade 1.7
  Digital Copy: http://tinyurl.com/jsq8hwp

- **Berlin School of Economics and Law** — Berlin, GER
  Bachelor of Arts in Business Administration, Grade 1.5 — *04/2008 - 07/2011*
  - Field of Specializations: Banking & Finance and Accounting
  - Bachelor Thesis: Best of N Concept - A Comparison of Dynamic Asset Allocation Strategies
    Advisor: Prof. Dr. Thomas Wolke, Department of Finance, Grade 1.7
    Digital Copy: http://tinyurl.com/l84jskr

- **Study Abroad at the University of Sydney** — Sydney, AUS
  Exchange Program — *03/2010 - 08/2010*
  - Courses taken in Portfolio Management, International Financial Management, International Business Strategy, Calculus I and Linear Algebra I

- **Friedrich Anton von Heinitz Gymnasium** — Rüdersdorf, GER
  Abitur, AP English and Chemistry, Grade 2.5 — *07/2007*

Selected Online Publications

- **Deep Learning for Classifying Hotel Aesthetics Photos** — NVIDIA Developer Blog
  https://tinyurl.com/yadn9wgk - Jointly with Christopher Lennan — *10/2018*
- **What is Minimum Viable (Data) Product?** — Medium - idealo Tech
  https://tinyurl.com/ybqs55bt — *06/2018*
- **My two cents on what makes a good data scientist nowadays?** — Medium - Towards DS
  http://tinyurl.com/y9grlbrg — *07/2017*
- **8 "Simple" Guidelines For Data Projects** — Medium - Built to Adapt
  http://tinyurl.com/m8nhv2o — *04/2017*
- **Continuous Integration for Data Science** — Pivotal Engineering Journal
  http://tinyurl.com/j6ghfht — *02/2017*
- **Delivery in a Land with No Postcodes** — Medium - Actionable Data
  http://tinyurl.com/gqat3bo - Jointly with Megha Agarwal — *11/2016*
- **How Automakers And The IoT Are Colliding To Save Lives** — Pivotal Blog
  http://tinyurl.com/jjcvaxs — *10/2016*
- **Test-Driven Development for Data Science** — Pivotal Engineering Journal
  http://tinyurl.com/gme62kr - Jointly with Megha Agarwal — *09/2016*
- **API First for Data Science** — Pivotal Engineering Journal
  http://tinyurl.com/z9kv5ae - Jointly with Alicia Bozyk — *07/2016*

Selected Talks

- **Data Natives 2018 -** https://tinyurl.com/y8mgvpsv — Berlin, GER
  Demystifying the Buzz in Machine Learning! (This Time for Real) — *11/2018*
- **Chief Data Officer Exchange Europe 2018** — Berlin, GER
  Fireside Chat - Creating Profitable Data Opportunities — *06/2018*
- **Data Festival 2018 -** https://tinyurl.com/y7jrneej — Munich, GER
  What is the big in (Big) data? And how lean can your data be... — *04/2018*

- **Tech Open Air / Panel Discussion -** `http://tinyurl.com/y8vngang` Berlin, GER
  New Age of Analytics for Digital Products? *07/2017*
- **Pivotal Big Data Roadshow -** `http://tinyurl.com/mnsgcce` Seoul, KOR
  Smart data-driven apps *04/2017*
- **Cloud Foundry Europe Summit 2016 -** `https://youtu.be/z7AmakqpgdQ` Frankfurt, GER
  Saving human lives with the IoT *09/2016*
- **PyData SF 2016 -** `https://youtu.be/HyjZFYDubf8` San Francisco, USA
  How you really get your data science models into production - the cool way! *08/2016*
- **PyData Berlin 2016 -** `https://youtu.be/ZojIGRS3HLY` Berlin, GER
  PySpark in Practice - Joint talk with Ronert Obst *05/2016*
- **PyData London 2016 -** `https://youtu.be/SETpipUZ_Lc` London, UK
  PySpark in Practice - Joint talk with Ronert Obst *05/2016*

Skills & Interests

- Computer

  - Very good knowledge in Python including the PyData stack: scikit-learn, pandas, matplotlib, XGBoost etc.
  - Working experiences with deep learning frameworks such as Keras and TensorFlow
  - Practical experiences in solving big data problems using Apache Spark (PySpark) and MPP databases
  - Worked under a Test-Driven and CI/CD environment and constantly embraced Pair Programming
  - Experiences with Microservices, PaaS and Cloud Computing (Cloud Foundry, AWS, GCP)
  - Good knowledge in SQL, Git, VIM, LaTeX, UNIX
  - Experiences with HTML and CSS

- Industry

  - Industry experiences in Telecommunications (Postpaid, LTE and VoIP), Aviation (Customer Segmentation), Automotive (Spare parts management, Aquaplaning prediction), Banking and Logistics

- Languages

  - German (native), English (fluent), Vietnamese (fluent)

- Others

  - Taekwondo, Soccer (11 years Landesliga), Traveling, Literature, Cooking, History, Strategy Games
  - McKinsey Masters 2013 Regional Winner and second in the Nationals
  - e-fellows.net Scholarship

References

Dr. Michael Natusch **Holger Mai**
Global Head of Artificial Intelligence - Prudential plc Managing Director - Accenture Analytics
m.natusch@me.com holger.mai@accenture.com

Berlin, February 02, 2019