Benjamin Söllner

Web: www.benkku.com · Email: benjamin.soellner@gmail.com
LinkedIn: de.linkedin.com/in/benjaminsoellner · GitHub: github.com/benjaminsoellner

Skills

Machine Learning:	(Fully) Convolutional Neural Networks · Image Processing/Understanding · Tensorflow/Keras
Programming:	(Py)Spark · Python · C++ · Java · Jenkins/Groovy · Javascript · AngularJS · HTML/CSS · D3.js
Infrastructure:	ROS · Hadoop · Bash / Linux Scripting · Microsoft Azure HDInsights / ARM / Powershell
Languages:	German · English · Finnish · French **Methods:** Scrum · ITILv3 · Design Thinking

Experience · Education · Research

2020

Software Engineer for Autonomous Vehicles at Daimler AG:
· Developed solution to record all in-car data smoothly with up to 100GBit/s, allowing component teams to analyse shortcomings of algorithms and sensors efficiently for upcoming autonomous ride sharing pilot
· Led cloud migration effort for data management solutions including recording, labelling and quality control
· Implemented Software-In-The-Loop continuous evaluation pipeline for 30 developers of behavioral algorithms

2019

Udacity Sensor Fusion Engineer Nanodegree (1-month intensive program): [tinyurl.com/usenfndBS]
Closing knowledge gap between Self-Driving Car domains "Perception" & "Behavior" during SARS-CoV-2 lockdown

"Quietpaper": An e-paper & Raspberry-Pi based Smart Home Display (IoT Passion Project) [tinyurl.com/qpaBS]

Reviewer of student internship reports at Duale Hochschule Baden-Württemberg

2018

Udacity Self-Driving Car Nanodegree: [tinyurl.com/udasdcBS] [udacity.com/drive]
Capstone project: with 4 other collaborators, integrated a deep learning network into a traffic light detector that ran both in a ROS-based simulator as well as in a remote self-driving-car

Platform & Solution Architect for Big Data at Daimler AG:
· Ramped up Daimler's "eXtollo" platform (Microsoft Azure Cloud as a Big Data Service) in team of 3, later 7 architects, working first as DevOps Engineer, later as Product Owner steering a team of DevOps engineers from Microsoft & Mercedes Benz Research & Development India

2017

· Rolled out platform world-wide (Europe, USA, Singapore) within 9 months to 50 separate IT partners from various business areas (from Marketing & Sales to R&D, from Trucks to Passenger Cars to Vans)
· During roll-out especially close cooperation with: "Mercedes.me" telematics (together with Mercedes Benz R&D North America) as well as endurance testing

2016

· Represented Daimler's Big Data efforts in external technical talks and conferences [tinyurl.com/daiwsai18]
· Set-up community for Visual Storytelling offering Tableau as a shared service [tinyurl.com/daitab17]

Udacity Data Analyst Nanodegree as early adopter in Germany: [tinyurl.com/uvidBS]
Capstone project "Visualize E-Mobility Battery Performance" as cross-over with passion project at work: created a web application used by about 200 engineers in R&D [tinyurl.com/emobvisBS]

2015

IT Service Manager / Architect for Messaging & Enterprise Service Bus at Daimler AG:
rolled out Enterprise Service Bus platform worldwide (Detroit, USA & Beijing, China)

2014

Lecturer at Esslingen University of Applied Science [tinyurl.com/Enterprise20Slides]

Artificial Intelligence, Programming a Robotic Car & Machine Learning – online courses with what later became Udacity

2013

Trainee in the Talent Program at Daimler AG, including a stay with Mercedes Benz, U.S.A., Montvale, NJ

'12

Thesis Working Student at Daimler AG: created a search engine in automotive dealerships [tinyurl.com/thesisBS]

'11

Diplom Media Computer Scientist at Dresden University of Technology (2005-2010, integrated M.Sc. + B.Sc.):
graduation with honours, co-authoring publications on mobile computing, 1-year exchange with TU Tampere, Finland

'10

Summer Trainee at Nokia Corporation in R&D / Software Integration (Tampere, mid-2007)

My Work Day Broken Down

Writing code to improve Autonomous Driving algorithms following agile working methods & learning along the way	Gathering and contributing feedback to code	Sharing results, listening, convincing, leading