Niels van Galen Last

Full Stack Data Scientist.

nvangalenlast@gmail.com | https://nielsgl.com

Currently

Chief Data Officer at XLabs.ai.

Specialized in

Artificial Intelligence, Deep / Machine Learning, Full Stack Development

Research interests

Deep Learning, Data Visualization, Matrix Theory, Numerical Linear Algebra

Education

Stanford University, Stanford, California · 2011 – 2015
PhD, Computational and Mathematical Engineering
Currently on leave.

Stanford University, Stanford, California · 2011 – 2014
MSc, Computational and Mathematical Engineering
Courses include: Numerical Linear Algebra, Theoretical Partial Differential Equations,
   Robotics, Large-scale Algorithms, Discrete Algorithms, Information Networks,
   Numerical Optimization, Parallel Computing.

Stanford University, Stanford, California · 2010 – 2011
Visiting Researcher, Institute for Computational and Mathematical Engineering
Master Thesis:
   Cortical Parcellation using PageRank Clustering and the Small-Worldness of ADHD.

Delft University of Technology, Delft, The Netherlands · 2008 – 2011
Graduated with highest distinction.
   GPA: 9/10, ranked 1st in the Computer Science Department.

Concentration: Artificial Intelligence and Machine Learning.
Teaching: Instructor and responsible for teaching Prolog, multi-agent programming,
   data structures and algorithms classes, introduction to programming.

Amsterdam University of Applied Science, Amsterdam, The Netherlands · 2004 – 2008
Graduated with highest distinction.
   GPA: 9/10, ranked 2nd in the Computer Science Department.

Honors and Awards

NVIDIA, Stanford University · 2012 – 2014
2 year fellowship by NVIDIA, under the CUDA Center of Excellence (CCOE) program.

Library of Congress, Stanford University · 2011 – 2012
Full research scholarship by the Library of Congress under the Computational
   Approaches to Digital Stewardship (CADS) program.

Fulbright Fellowship, Fulbright · 2010 – 2011
Co-sponsored by Heineken International

Huygens Talent Scholarship, Nuffic · 2010 – 2011
National Award for Best Students in the Netherlands.

EEMCS Faculty Scholarship, Delft University of Technology   2009 - 2011
Scholarship from Delft University of Technology for research.

Experience

XLabs.ai, San Francisco, California   Dec 2018 - Present
Chief Data Officer
Leading all work on developing the machine learning infrastructure.

PostPlanner, San Francisco, California   Jun 2016 - Nov 2018
Chief Technology Officer
Headed all technology efforts, leading and managing the front-end and backend
    teams.
Built recommendation algorithms used by more than 250,000 users.
Responsible for architecting and building the cloud infrastructure, migrating all
    infrastructure from Digital Ocean to AWS.

Scal.io, San Francisco, California   Oct 2015 - Jun 2016
Senior Software Engineer
Full-stack engineer, developed intuitive, scalable RESTful APIs (NodeJS) and databases
    (DynamoDB, MongoDB and MariaDB).

Evergive, (**Acquired by OneParish**), Palo Alto, California   May 2013 - Jun 2015
Chief Technology Officer
Led a team of engineers and spearheading the product development of the Android,
    iOS and web application.
Developed a fully scalable and distributed backend infrastructure from the ground up.
Designed and implemented analytical tools to provide insights for the internal
    leadership team and external partners.

Publications

Journals   Niels van Galen Last (2012). Agent Smith: Opponent Model Estimation in   2012
                  Bilateral Multi-issue Negotiation. In New Trends in Agent-Based Complex
                  Automated Negotiations, 167–74. Springer Berlin Heidelberg. DOI

Patents   Mobile payment hotspot. James Ioannidis, Niels van Galen Last. Google   2015
                 Patents

Skills

Machine Learning
TensorFlow, Keras, Spark, Recommendation Algorithms

Web Development
React, NodeJS, Django

Amazon Cloud
Lambda, ECS, ECR, GraphQL, Kubernetes, SageMaker

Mathematics
Numerical Linear Algebra, Statistics, Graph Theory

Python
NumPy, SciPy, pandas, Scikit-Learn