Contact

www.linkedin.com/in/konstantinos-balafas-4a21b120 (LinkedIn)

Top Skills

Leadership

Teamwork

Big Data

Languages

German (Professional Working)

Greek (Native or Bilingual)

English (Native or Bilingual)

Honors-Awards

John A. Blume Earthquake Research Engineering Fellowship

Konstantinos Balafas

Data Scientist

Mountain View, California, United States

Experience

Ford Motor Company
Computer Vision and Unstructured AI Manager
January 2024 - Present (1 year 3 months)
Palo Alto, California, United States

Toyota North America
Principal Data Scientist
February 2023 - January 2024 (1 year)

Acubed
Head of AI Data
June 2021 - October 2022 (1 year 5 months)

Defined the vision and prioritization for Wayfinder's data operations and warehousing, organized data operations into repeatable pipelines and provided expert guidance on data visualization and analysis

Ford Motor Company
AI/ML Scientist Site Lead
October 2018 - May 2021 (2 years 8 months)
San Francisco Bay Area

Developed deep learning models for applications such as Computer Aided Engineering and Design, Motorsport and Entity Resolution.

Served as Product Owner for the development of tools to facilitate the model development stage of the ML lifecycle

Bold Metrics Inc.
Lead Data Scientist
January 2018 - October 2018 (10 months)
San Francisco Bay Area

Responsible for the development and productionization of predictive models for body measurements, garment size and fit recommendation

QuantumBlack

2 years 4 months

Senior Data Scientist
January 2017 - January 2018 (1 year 1 month)

Delivered data science projects for clients in various industries such as banking, mining and automotive and sports. Responsible for the development of prototype code for predictive and explanatory models and their validation

Data Science Analyst
October 2015 - December 2016 (1 year 3 months)

Stanford University
4 years 9 months

Ph.D. Candidate
August 2012 - September 2015 (3 years 2 months)

My research is focused on Structural Health Monitoring, using Statistical Pattern Recognition methods in order to detect structural damage in structures from sensor measurements (primarily acceleration) and combining information in order to improve the reliability of the damage extent and localization. I am particularly interested in applying Signal Processing and Machine Learning methods and algorithms in SHM.

Research Assistant
January 2011 - July 2012 (1 year 7 months)

I was part of a multi-university project on Hybrid Simulation and how it can be applied to large deformations and collapse simulations. I worked on numerical simulations of steel frame structures, design of experimental setups and actual labwork

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Education

Stanford University
Ph.D., Civil and Environmental Engineering; Earthquake Engineering · (2010 - 2015)

Stanford University
M.S, Civil and Environmental Engineering; Structural Engineering; · (2009 - 2010)

National Technical University of Athens
School; Diploma, Civil Engineering; Structural Engineering · (2004 - 2009)