



# Ian FitzPatrick, Ph. D.

Tech Lead A.I. & Machine Learning

#AI #LLM #NLP #Kubernetes

## PERSONALIA

🎂 16 Juli 1981

📍 Halmstad, Sweden

🚩 British, Dutch

## LANGUAGES

English

Dutch

French

Spanish

German

## SKILL LEVELS

★ Basic Experience

★★ Can work independently

★★★ Can lead and coach

★★★★ Can design and advise

## EDUCATION

🎓 Neurolinguistics 2011  
Ph.D. *Radboud University*

🎓 Cognitive Neuroscience 2006  
M.Sc. *Radboud University*

🎓 Psychology 2006  
B.Sc. *University of Leiden*

## CONTACT

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## PROFILE

After 18 years in consulting and academia, I now ply my trade as a freelance Tech Lead specializing in A.I. and Machine Learning. I have a strong track record in bringing A.I. and ML systems to production, which I attribute to my belief that designing robust systems (A.I. or otherwise) requires knowledge of more than just the components of the system. To design for privacy, security, reliability, and scalability, I have found it necessary to call upon a firm understanding of the inner workings of the underlying technology, from hardware and operating systems to cloud infrastructure and solutions. As a Manager and in leading project teams I find it important to build a non-hierarchical culture of trust and collaboration. In my experience that is the best way to encourage a good, collective sense of ownership among team members.

## KEY SKILLS

Machine Learning & Statistics ★★★★★

Semantic Web, Linked Data & Knowledge Graphs ★★★★★

Natural Language Processing & A.I. ★★★★★

Relational Databases ★★

Non-Relational Databases ★★★

Containerisation ★★★★★

Project Management ★★★

Linux servers ★★★★★

Low-level programming ★★

## CAREER OVERVIEW

- CTO & Managing Director **Y.digital**  
05/2020 - 06/2024
- Freelance Data Scientist **fitzpatrick.ai**  
05/2019 - 05/2020
- Lead Consultant **Jibes Data Analytics**  
06/2016 - 04/2019 (later Viqtor Davis, now Valcon)
- Post-doctoral Researcher **Heinrich Heine Universität**  
07/2011 - 06/2016 **Düsseldorf**
- Post-doctoral Researcher **Universitat Pompeu Fabra**  
01/2010 - 06/2011
- Ph.D. student **Max Planck Institute & Donders Institute**  
09/2006 - 12/2009

## EXPERIENCE

### CTO & Managing Director

05/2020 - 06/2024

[#Management](#)  
[#ProjectLeadership](#)  
[#MachineLearning](#)  
[#LLM](#)  
[#Azure](#)  
[#Kubernetes](#)  
[#Docker](#)  
[#Python](#)  
[#KnowledgeGraph](#)  
[#RDF](#)  
[#LinkedData](#)  
[#Ansible](#)  
[#Terraform](#)

### Y.digital

As Managing Director, I was responsible for the P&L of Y.digital, The Netherlands. Supervising a **team of ~15 Data Scientists**, I led the development of a containerized A.I. platform for Document Processing and Conversational A.I. Additionally, I oversaw successful implementations of the platform at several **A-list companies** in The Netherlands, including Achmea, TenneT, ARAG, Kamer van Koophandel, Conduent, Vitens, and De Hypotheker. During my tenure as MD, Y.digital won the **FD Gazelle award** (2023) for being the **8th fastest growing company** in The Netherlands in terms of headcount and revenue. However, I am most proud of fostering an egalitarian culture of collaboration and intellectual curiosity at the company, which, I am certain, greatly contributed to our success.

### Freelance Data Scientist

05/2019 - 05/2020

[#ProjectLeadership](#)  
[#MachineLearning](#)  
[#Docker](#)  
[#Python](#)  
[#KnowledgeGraph](#)  
[#Hadoop](#)  
[#Spark](#)

### fitzpatrick.ai

As a Freelance Data Scientist I offered advice to enterprise customers surrounding all aspects of bringing Data Science & A.I. solutions to production. Key accomplishments include: re-shaping the delivery process in the **TenneT Data Lab** to better deal with dependencies in data-pipelines, solution design for a predictive maintenance model expected to yield significant operational cost reductions, solution design for a dynamic line rating solution expect to ease congestion on the Dutch energy grid, designing & delivering a solution for automated processing of technical documentation pertaining to offshore platforms which **led to a significant year-on-year cost reduction** (from 11 to 7 fte).

### Lead Consultant/Data Scientist

06/2016 - 04/2019

[#ProjectLeadership](#)  
[#MachineLearning](#)  
[#Azure](#)  
[#Kubernetes](#)  
[#Docker](#)  
[#Python](#)  
[#KnowledgeGraph](#)  
[#RDF](#)  
[#LinkedData](#)  
[#JavaScript](#)

### Jibes Data Analytics (later Vigtor Davis, now Valcon)

As a Data Scientist at Jibes I designed and implemented A.I. solutions for large enterprise customers. Key achievements include: End-to-end development of a FinTech radar system for **Rabobank**, Development of an A.I. news reader (**currently in production**). Design and development of a chatbot for the insurance domain (**currently in production at APG and Achmea**: Interpolis, FBT0, and Centraal Beheer). Development of a guided-navigation application for legal texts based on natural-language interaction.

### Academic Career

09/2006 - 06/2016

[#Teaching](#)  
[#Supervision](#)  
[#ProjectLeadership](#)  
[#MachineLearning](#)  
[#Matlab](#)  
[#R](#)  
[#Python](#)  
[#KnowledgeGraph](#)

### HHU, UPF, Donders Institute and Max Planck Institute

As a researcher I designed and ran experiments that investigated the neural underpinnings of speech processing, language production, and conceptual representations. I also **taught Bachelor's and Master's degree courses** on classical statistics and experimental design. My research used state-of-the-art Neuroimaging techniques (EGG, eye-tracking and fMRI) to uncover the spatial and temporal correlates of cognitive processes. The results of this research have been **published** in a number of **high-impact journals** and have occasionally featured in popular national media.