



# dr. Ian FitzPatrick

## *Curriculum Vitae*

### Personalia

Date of birth 16 Juli 1981  
Place of birth Halmstad, Sweden  
Gender Male  
Nationality British  
Marital status Married

### Profile

Ian FitzPatrick is a Senior Data Scientist with a PhD in Neurolinguistics. He has expertise in language processing, statistics, statistical programming, and machine learning and has taught Bachelor's and Master's degree courses on classical statistics and experimental design. His research has been published in a number of high-impact journals (e.g., NeuroImage, Journal of Cognitive Neuroscience, Journal of Neuroscience, and Brain Research) and has occasionally featured in popular national media (for an overview see: [ianfitzpatrick.eu/media/](http://ianfitzpatrick.eu/media/)). As a Lead Consultant at Viqtor Davis (formerly Jibes Data Analytics), Ian has been responsible for designing and coordinating the development of AI solutions and bringing them to production.

### Education

2011 Ph.D. – Neurolinguistics, *Radboud University Nijmegen*  
2006 M.Sc. – Cognitive neuroscience, *Radboud University Nijmegen*  
2006 B.Sc. – Psychology, *Leiden University*  
2000 No degree – Computer Science, *Leiden University*  
1999 VWO, *Regionale Scholengemeenschap Het Rhedens*

Frankrijkstraat 313 – 6663 MB, Lent

☎ +31 6 245 245 00 • ✉ [ian@ianfitzpatrick.eu](mailto:ian@ianfitzpatrick.eu) • 🌐 [ianfitzpatrick.eu](http://ianfitzpatrick.eu)

1/6

## Key skills

### Proficiency Levels



No experience

Basic experience – average practical proficiency

Firm theoretical and practical grounding. Can work independently.

Above average practical knowledge and experience. Ability to lead and coach.

Expert. Ability to architect, consult and advise end-to-end.

### Data science

CLASSICAL STATISTICS

★★★★★

(e.g., GLM, ANOVA, mixed models)

BAYESIAN STATISTICS

★★★

(e.g., MCMC, JAGS, STAN)

MATHEMATICS

★★★

(e.g., Linear algebra, calculus)

STATISTICAL PROGRAMMING

★★★★★

(e.g., R, SPSS, Matlab, Octave, Python)

MACHINE LEARNING

★★★★★

(e.g., Penalised regression, CART, SVM)

NATURAL LANGUAGE PROCESSING

★★★★★

(e.g., NLTK, Spacy, IBM Watson, Microsoft LUIS)

### Data engineering

RELATIONAL DATABASES

★★

(e.g., MySQL, PostgreSQL)

NON-RELATIONAL DATABASES

★★★

(e.g., Elasticsearch, MongoDB)

BIG AND DISTRIBUTED DATA APPLICATIONS

★★

(e.g., Hadoop, Spark, Map/Reduce)

DISTRIBUTED STORAGE

★★

(e.g., HDFS, S3)

CONTAINERISATION

★★★★★

(e.g., Docker, Kubernetes)

### Development

FRONT-END PROGRAMMING

★★★★

(e.g., JavaScript, HTML5, CSS, JQuery)

BACK-END PROGRAMMING

★★★★

(e.g., PHP, Python (Hug))

LOW-LEVEL PROGRAMMING

★★

(e.g., C++, x86 Assembly)

SCRIPTING

★★★★★

(e.g., Bash, Perl)

VERSION CONTROL

★★★★★

(e.g., Git)

DELIVERY FRAMEWORKS

★★★★★

Dev/Ops, Agile (coaching), SCRUM

Frankrijkstraat 313 – 6663 MB, Lent

+31 6 245 245 00 • [ian@ianfitzpatrick.eu](mailto:ian@ianfitzpatrick.eu) • [ianfitzpatrick.eu](https://ianfitzpatrick.eu)

2/6

---

## Employment History

### Professional

2018–2019 Lead Consultant | Data Scientist, *Viqtor Davis*

**Assignments and Responsibilities:**

- Architecture, Development and Project Lead for AI solutions.

**Customers:**

- APG
- Interpolis
- Centraal Beheer
- Achmea

**Relevant skills:** IBM Watson, Microsoft LUIS, Microsoft Azure, Python, Javascript, HTML5, CSS3, Git, Bash, Machine Learning, NLP, Docker, ElasticSearch, Neo4j, Kubernetes, Scrum, Dev/Ops

2017–2018 Senior Data Scientist, *Jibes Data Analytics b.v.*

**Assignments and Responsibilities:**

- Architecture, Development and Project Lead for AI solutions.
- Scrum Master

**Customers:**

- Ministerie van Binnenlandse Zaken
- Schiphol Group
- Rijksdienst voor Ondernemend Nederland
- Rabobank (Global Farmers)
- Achmea

**Relevant skills:** IBM Watson, Python, R, Java, Javascript, HTML5, CSS3, XSLT, PostgreSQL, Git, Bash, Machine Learning, NLP, Docker, ElasticSearch, Neo4j, Kubernetes, Scrum, Dev/Ops

2016–2017 Data Scientist, *Jibes Data Analytics b.v.*

**Assignments and Responsibilities:**

- End-to-end development of AI solutions.

**Customers:**

- Rabobank
- Borusan

**Relevant skills:** IBM Watson, Python, R, Java, Javascript, HTML5, CSS3, XSLT, PostgreSQL, Git, Bash, Machine Learning, NLP, Docker, ElasticSearch, Neo4j, Kubernetes, Scrum

2011–2016 Post-doc, *Donders Institute for Brain Cognition, and Behaviour*

**Assignments and Responsibilities:**

- fMRI research into conceptual representations in the brain
- EEG research into representation of colour concepts
- fMRI research into language switching

**Relevant skills:** R, MATLAB, SPSS, Penalised regression, CART, GLM, ANOVA, mixed models, cluster analysis, signal analysis, project management, MySQL, PHP, Perl, Git, Bash

2011–2016 Post-doc, *Heinrich Heine Universität*

**Assignments and Responsibilities:**

- Teaching courses on: Introductory statistics using R, Introduction to experimental methods and design, Neurocognitive Aspects of bilingualism.
- Supervising PhD, MA, and BA students.

**Relevant skills:** R, GLM, ANOVA

2010–2011 Post-doc, *Universitat Pompeu Fabra*

**Assignments and Responsibilities:**


- Designing and running experiments on speech production in bilinguals
- Supervising PhD, MA, and BA students.

**Relevant skills:** R, MATLAB, SPSS, ANOVA, mixed models, signal analysis, project management, Bash, Perl

2006–2009 PhD Student, *Max Planck Institute for Psycholinguistics*

**Assignments and Responsibilities:**

- PhD research into bilingual speech comprehension.

**Thesis:** *Lexical interactions in non-native speech comprehension: Evidence from electroencephalography, eye-tracking, and functional magnetic resonance imaging*, MPI Series in Psycholinguistics, 59. 

**Relevant skills:** R, MATLAB, SPSS, ANOVA, mixed models, cluster analysis, signal analysis, project management, PHP, Bash, Perl

**Volunteer causes**

2000–2004 Volunteer, *Kindertelefoon Zuid-Holland (Child-Helpline)*  
Postbus 11142, Leiden

---

## Teaching (selection)

- 2019 Hands on: Neo4j, *Achmea*  
Employee training
- 2019 Graph Databases for Knowledge Representation, *Achmea*  
Employee training
- 2019 Hands on: Docker, *Achmea*  
Employee training
- 2018 Hands on: Kubernetes, *Achmea*  
Employee training
- 2018 Kubernetes in depth, *Achmea*  
Employee training
- 2018 Inleiding Containerisation, *Achmea*  
Employee training
- 2018 Natural Language Processing (Tools & Frameworks), *Achmea*  
Employee training
- 2018 Machine Learning: Wat leert de machine?, *Achmea*  
Employee training
- 2015–2016 Statistics and experimental design, *Heinrich Heine Universit  t*  
Lecture series, Bachelor
- 2013 Introduction to neurolinguistics, *Heinrich Heine Universit  t*  
Lecture series, Bachelor
- 2012–2014 Introduction to experimental methods for psycholinguists, *Heinrich Heine Universit  t*  
Lecture series, Master
- 2011–2015 Neurocognitive aspects of multilingualism, *Heinrich Heine Universit  t*  
Lecture series, Master
- 2007–2015 Toolkit of cognitive neuroscience, *Donders Institute*  
Lecture & practical, Post-academic





---

## Media

### Radio & TV

- 2015 Bureau Kijk in de Vegte, *NPO Radio 2* ▶
- 2012 Pavlov, *NTR* ▶
- 2011 Hoe?Zo! Radio, *NPO Radio 5* ▶
- 2011 Denktenk, *BNR Nieuwsradio* ▶

### Written media

- 2011 Wie *mail* zegt, denkt aan *meel*, *NRC Handelsblad* 
- 2011 Context hept tweetaligen bij begrijpen woorden met gelijke klank, *Volkskrant* 
- 2011 Energievretende taalschakelaar, *Intermediair* 
- 2011 Kou of cow? De context bepaalt, *Kennislink.nl* 

## Publications (selection)

- Redmann, A., **FitzPatrick, I.**, Hellwig, F. & Indefrey, P. (2014). The use of conceptual components in language production: an ERP study, *Frontiers in Psychology*, 5:363, 1-13. [📄](#)
- De Bruin, A., Roelofs, A., Dijkstra, T. & **FitzPatrick, I.** (2014). Domain-General Inhibition Areas of the Brain are Involved in Language Switching: fMRI Evidence from Trilingual Speakers, *NeuroImage*, 90, 348-359. [📄](#)
- FitzPatrick, I.** & Indefrey, P. (2014). Head start for target language in bilingual listening, *Brain Research*, 1542, 111-130. [📄](#)
- Levy, J., Vidal, J., Oostenveld, R., **FitzPatrick, I.**, Démonet, JF. & Fries, P. (2013). Alpha-band Suppression in the Visual Word Form Area as a Functional Bottleneck to Consciousness, *NeuroImage*, 78, 33-45. [📄](#)
- Strijkers, K., Baus, C., Runnqvist, E., **FitzPatrick, I.** & Costa, A. (2013). The temporal dynamics of first versus second language speech production, *Brain and Language*, 127(1), 6-11. [📄](#)
- Runnqvist, E., **FitzPatrick, I.**, Strijkers, K., & Costa, A. (2012). An appraisal of the bilingual language production system: Quantitatively or qualitatively different from monolinguals? In: T. K. Bahtia, & W. C. Ritchie (Eds.) *The Handbook of Bilingualism and Multilingualism, Second Edition*. Malden, MA: Wiley-Blackwell. [📄](#)
- FitzPatrick, I.** & Indefrey, P. (2010). Lexical competition in non-native speech comprehension. *Journal of Cognitive Neuroscience*, 22(6), 1165-1178. [📄](#)
- Duhaime, M.B., Alsheimer, S., Angelova, R. & **FitzPatrick, I.** (2008). In defense of Max Planck. [letter to the editor] *Science*, 320 (5878) pp. 872b. [📄](#)
- FitzPatrick, I.** & Weber, K. (2008). "Il piccolo principe est allé": Processing of language switches in auditory sentence comprehension. *The Journal of Neuroscience*, 28(18), pp. 4581-4582. [📄](#)