

Hidde Fokkema

Curriculum Vitae

CONTACT DETAILS

Address Science Park 107, Amsterdam
Office F3.27
Postal Postbus 94248, 1090 GE Amsterdam
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EDUCATION

PhD

2021/09-

University of Amsterdam

Mathematical Machine learning, *Formalising Explainable AI*.

Supervisor: dr. Tim van Erven

MSc. Mathematics

2019/09-2021/08

University of Amsterdam

Masters degree Mathematics. GPA: 8.9.

Title thesis: *Martingale optimal transport: properties and computational methods*.

Supervision: prof. dr. Peter Spreij, dr. Sonja Cox.

BSc. Mathematics

2015/09-2019/08

University of Amsterdam

Bachelor degree Mathematics with a minor in Artificial Intelligence, GPA: 8.1.

Title thesis: *Learning and thermodynamics*.

Supervision: dr. Bas Kleijn, dr. Greg Stephens.

BSc. Physics and Astronomy

2015/09-2019/08

University of Amsterdam

Bachelor degree Physics and Astronomy, GPA: 8.1.

Title thesis: *Learning and thermodynamics*

Supervision: dr. Bas Kleijn, dr. Greg Stephens.

WORK EXPERIENCE

Junior quantitative consultant

2018/03-2021/06

Amsterdam Data Collective (ADC)

ADC is a quantitative management consultancy firm using cutting edge data analysis to offer their clients useful insights into their data and help them make more data-driven decisions.

Teaching assistant

2018/05-2018/07

University of Amsterdam

Assistant Teacher

2016/01 - 2017/03

Stichting Studiebegeleiding Leiden

International volunteer

2014/09-2019/03

European Youth Parliament

The European youth Parliament is an international network active in over 40 countries in Europe. Its goal is to provide young people an interactive educational platform. The events that are organised offer participants the opportunity to express their opinions and ideas about a wide range of topics.

PUBLICATIONS

Preprints

- H. Fokkema, R. de Heide, T. van Erven, Attribution-based Explanations that Provide Recourse Cannot be Robust, Submitted, arXiv 2205.15834, 2022

TALKS

- CWI Machine Learning Seminar, Attribution-based Explanations that Provide Recourse Cannot be Robust, July 2022
- 1st Workshop Mathematics & Artificial intelligence, CWI, poster presentation, June 2022
- CWI Machine Learning Seminar, Optimal transport and its applications, January 2022

SKILLS

<i>Languages</i>	Dutch (native)
	Engels (fluent)
	German (basic)
	French (basic)
<i>Software</i>	PYTHON, L ^A T _E X, Mathematica, TYPESCRIPT, D3.js, SQL, MATLAB, R, HTML

HOBBIES

<i>Music</i>	Guitar (acoustic/electric)
	Piano
	(Modular) synthesizer
<i>Sport</i>	Hockey, Fitness