

HILDE WEERTS

Curious and communicative applied researcher and software engineer. Always looks for simple ways to explain difficult concepts. Passionate about fair and interpretable machine learning.

EXPERIENCE

Artificial Intelligence Engineer - Eindhoven University of Technology

MAR 2020 – PRESENT

I work on applied research, education, and software for fair and interpretable machine learning.

Data Scientist - Océ - A Canon Company, Venlo

JUN 2019 – SEP 2019

Developed predictive maintenance models for predicting service calls based on historical error data.

Intern Discovery and Intervention - Rabobank Group, Zeist

SEP 2018 – MAY 2019

Developed a decision support approach that leverages interpretable machine learning to assist fraud analysts in assessing the correctness of fraud alerts.

Research Intern - Columbia University, New York City

FEB 2018 – APR 2018

Designed and conducted a benchmark study on the importance of hyperparameter tuning of machine learning algorithms.

Data Scientist - Pipple, Eindhoven

FEB 2017 – AUG 2017

Projects included a.o. text mining and product quality prediction. Initiated and developed a new data security policy.

Board Member - Study Association Industria, Eindhoven

SEP 2015 – SEP 2016

Fulfilled the role of project manager. Responsibilities included the supervision of six committees and being editor-in-chief of industrial engineering magazine "SCOPE".

Intern Maintenance Development - Nationale Spoorwegen, Utrecht

FEB 2015 – JUL 2015

Evaluated predictive modeling techniques for predicting train failures within a condition based maintenance context.

EDUCATION

MSc Computer Science and Engineering

Eindhoven University of Technology

SEP 2016 – MAY 2019 avg. grade **9.6** / 10 thesis **10** / 10

BSc Industrial Engineering

Eindhoven University of Technology

SEP 2012 – JUL 2015 avg. grade **8.8** / 10 thesis **9** / 10

Pre-university Education (Gymnasium)

Raayland College, Venray

SEP 2006 – JUL 2012 avg. grade **8.7** / 10



CONTACT

[✉ hildeweerts.nl](mailto:hildeweerts.nl)

[in linkedin.com/in/hildeweerts](https://www.linkedin.com/in/hildeweerts)

AWARDS & SCHOLARSHIPS

KNVI Thesis Award (second prize)

An award for the best Dutch computer science master's thesis (2019)

Holland Scholarship

A scholarship yearly awarded to 14 students of the TU/e (2018)

Dutch Digital Delta IT Talent Grant

A scholarship yearly awarded to 10 talented Dutch IT students (2017)

INTERESTS

Singing (pop, jazz), Graphic Design, Krav Maga

PUBLICATIONS

[H.J.P. Weerts, W. van Ipenburg, M. Pechenizkiy \(2019\). A Human-Grounded Evaluation of SHAP for Alert Processing. KDD Workshop on Explainable AI.](#)

[H.J.P. Weerts, W. van Ipenburg, M. Pechenizkiy \(2019\). Case-Based Reasoning for Assisting Domain Experts in Processing Fraud Alerts of Black-Box Machine Learning Models. KDD Workshop on Anomaly Detection in Finance.](#)

[W. Duivesteijn, T. Farzami, T. Putman, E. Peer, H.J.P. Weerts, J.N. Adegeest, G. Foks, M. Pechenizkiy \(2017\). Have It Both Ways - from A/B Testing to A&B Testing with Exceptional Model Mining. ECML PKDD.](#)