MATEJ HAVELKA

CONTACT

+31 616 235 402
M.Havelka@student.tudelft.nl
Troelstrakade 779, Den Haag
LinkedIn

WHO AM I?

I am an ambitious and motivated student of computer science and engineering. I like to challenge myself with unknown problems, as I love the feeling of building up to a solution bit by bit.

LANGUAGES

English (C1)
Slovak (Native)
French (B2)

PROGRAMMING LANGUAGES

Java
Python
TensorFlow for Python
Hugo
JavaScript (also HTML and CSS)
C++
Haskell
SQL

INTERESTS

Arduino
Physics
Finance, Trading
Machine Learning
History
Strategic games

EDUCATION

French Bilingual Gymnasium Metodova
2014 - 2019
I have studied on a French bilingual high school with scientific focus. I was part of multiple exchange programs with other schools in France.

TU Delft – Computer Science and Engineering
BCs 2019 – 2022 Masters 2022-Present
I have finished my bachelors in Computer science and engineering in TU Delft and currently I am starting my Masters in TU Delft on the AI Technology track.

Quantum Information Minor
2020-2021
As my minor I chose the Quantum Information and computation minor. In this minor I spent time learning about the edge cutting technologies from QuTech lecturers. This provided me with loads of interesting challenges and insights into the work done in research.

WORK EXPERIENCE

Teaching Assistant TUDelft
September 2020-Present
I worked as a Teaching assistant for several Year 1 and Year 2 courses. Such as Reasoning and Logic, Object-Oriented Programming or Software engineering methods. This gave loads of insights into meetings and working with people, as well as working on assignments and continuous integration, as I created lab assignments used by Image Processing course.

Web developer
November 2021-Present
I am working on a website for TUDelft AI4Fintech research group from The Software Engineering Research Group. I developed this website using Hugo and Netlify. This gave me loads of insights into the various tools modern computer scientist can use.

OTHER ACTIVITIES

CERN Summer school
2021
During summer 2021 I was lucky enough to participate on the IdeaSquare CERN Summer school. We have worked on creating a start up from one of the latest research that came from CERN. As a group we had to contact necessary companies and pitch a project by the end of the summer school.

PROJECTS

AATOM Testing framework
2021
As part of my education, I have worked to create a testing framework for AATOM, an agent based simulator of airports developed by the TU Delft aerospace faculty. Whilst working on this as a group we have agreed to follow proper SCRUM methodology and agile development, where we had daily standups and weekly sprint meetings.

Causal Machine Learning
2022
As my Research Project to finish my bachelors diploma I have picked a topic of Causal Machine Learning where I studied the effect of honesty in Causal forests. This gave me new in-depth knowledge about random forests, honesty and causal machine learning as well as some new machine learning methods like gradient boosting.

COMPETITIONS

Advent of Code
2020 and 2021
I take part in annual Advent of Code programming competition, where for each day in December I had to solve a programming puzzle and compete with others from our university.

Kaggle
2021-Present
I am interested in many modern Machine Learning techniques, which I explore in Kaggle competitions. With each Kaggle competition I aim to be in top 15%m whilst I haven't joined any competition with monetary prizes yet, some of the competitions I joined and got to top 15% include: "Spaceship Titanic" or "House Prices – Advanced Regression Techniques"