MAX OPPERMAN

Graduate Computer Science and Engineering at TU/e

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EXPERIENCE

Software Engineer
Prodrive Technologies

November 2021 – April 2024

- At Prodrive Technologies, I worked with Django (Python), JS, React (TS), and Material UI to build a management system to deploy AI models. These AI models predict whether a product has defects or not by looking at certain regions of interest. Moreover, I worked on a system to label these regions of interest.

Secretary
Study Association GEWIS

July 2020 – July 2021

- GEWIS is the study association of the Mathematics and Computer Science department of the TU/e.
- As the Secretary, I had contact with plenty of organizations. I gained much experience with communication with both external parties and within a small team.

Software Engineer
TU/ecomotive

April 2019 – September 2020

- Being part of the sixth team of TU/ecomotive, I worked on *Luca*; a car mostly made out of waste materials. In a multi-disciplinary team, I learned how various areas of expertise work together to achieve the maximum result.
- As a Software Engineer, I gained experience with programming embedded systems.

PROJECTS

Permutations by Neighbor-Swaps
TU/e Master Thesis

February 2024 - December 2024

- For my Master's Graduation Project I have proven that one can generate all permutations of a certain string by only using swaps of adjacent elements. Doing this without duplicate permutations is impossible in some cases. In my thesis, I have proven a conjectured relaxation of the problem, which had been unresolved since 1965.
- I was awarded a 9/10 for my thesis.

Dashboard for Building Sensors
TU/e Department of the Built Environment

September 2021 - November 2021

- To finish my Bachelor's degree I worked on a Smart Building Dashboard. The system aims to provide the user with insights about the building and sensor data.
- With this project, I gained experience with the Django REST API and Vue frameworks.

Parelpracht
Study Association GEWIS

December 2020 - September 2021

- During my year as the Secretary of GEWIS, I helped develop a new Customer Relationship Management system. The system automates repetitive tasks and provides insights into collaborations.
- By developing Parelpracht, I gained a lot of experience with programming TypeScript in the Semantic UI, React, and Redux frameworks.

MY LIFE PHILOSOPHY

"I am always eager to find the solution and help out. With my work, I hope to contribute to society and improve people's lives."

EDUCATION

Master Computer Science and Engineering
Eindhoven University of Technology

February 2022 – December 2024

Bachelor Computer Science and Engineering
Eindhoven University of Technology

September 2017 – November 2021

LANGUAGES

Dutch	●●●●●
English	●●●●●
Python	●●●●◐
TypeScript	●●●●○
Java	●●●○○

CERTIFICATES & LICENCES

✹ **Erasmus Exchange - University of Bolgona**
February 2023 – July 2023

✹ **Cambridge Certificate in Advanced English**
March 2017 - CEFR Level C1 English

STRENGTHS

Dedication Eye for detail Oversight
Hard-working Helpful Listening Ear
Organized

INTERESTS

Hockey Bouldering Sailing