

CURRICULUM VITAE

Herman Bergwerf

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I am specialized in solving difficult logical problems and implementing the solutions in software. Visual communication plays a key role in many of my projects, and I enjoy designing beautiful and innovative interfaces. I like brainstorming together with a team to find the path towards a good product, and to make technical decisions that are future-proof.

Education

Degree	Programme	Institution
Bachelor	<i>Nanobiology</i>	Delft University of Technology
Master	<i>Mathematical Foundations of Computer Science</i>	Radboud University Nijmegen

Past Projects

Year	Client & Project	Technologies
2022	Omoda – ML/AI for Image Processing	<i>Python, MediaPipe, Tensorflow</i>
2017-21	CreativeQuantum – Chemical Diagrams	<i>Dart, HTML Canvas</i>
2017	Learnbeat – Molecule Sketching for Education	<i>JavaScript, NPM, HTML Canvas</i>
2016	Profects – Custom Mailing Scheduler	<i>Golang, PostgreSQL, Docker</i>

Academic Work

- *An Exploration of Graph Pebbling* (2023)
Master's thesis supervised by Dr. Wieb Bosma. DOI: [10.48550/ARXIV.2303.04590](https://doi.org/10.48550/ARXIV.2303.04590)
- *Circular lists in Iris * deduction rules of \triangleright* (2022)
Research internship supervised by Dr. Robbert Krebbers. DOI: [10.5281/ZENODO.6340500](https://doi.org/10.5281/ZENODO.6340500)
- *Nerve fiber tracing in bright-field images of human skin using deep learning* (2019)
Bachelor's thesis supervised by Dr. Erik Meijering. DOI: [10.1109/ISBI.2019.8759504](https://doi.org/10.1109/ISBI.2019.8759504)