

# Daan Hensmans

## Software Engineer

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### PROFILE

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Software Engineer with a Master's specialization in Low-Level Environments and Compiler Design. Expertise in bridging the gap between hardware and software through software optimization, OS internals, and hardware-level performance tuning.

### EDUCATION

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| 09/2021 – 06/2026<br>Brussel            | <b>Vrije Universiteit Brussel</b><br><i>Master Software Engineering: Software Languages</i> <ul style="list-style-type: none"><li>• Specialization in low-level environments: compilers, security, optimization, and programming languages.</li></ul> |
| 09/2024 – 01/2026<br>Gothenburg, Sweden | <b>Chalmers University of Technology</b><br><i>Master Software Engineering - Erasmus</i> <ul style="list-style-type: none"><li>• My Erasmus semester was spent at one of the leading engineering universities in Scandinavia.</li></ul>               |
| 09/2021 – 07/2024<br>Brussel            | <b>Vrije Universiteit Brussel</b><br><i>Bachelor in Computerscience</i>   |
| 09/2019 – 06/2021<br>Leuven             | <b>KU Leuven</b><br><i>Bachelor Civil Engineering: Architecture</i> <ul style="list-style-type: none"><li>• Key foundation in engineering principles and structural design before transitioning to Computer Science.</li></ul>                        |

### PROJECTS

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Throughout my studies, I have created many projects, both personal and for university. Each project has given me a set of skills and an understanding of new concepts. Notable projects include building a compiler, creating an efficient C program on an embedded device and working on multiple parallel and concurrent projects, as well as testing results to improve speed. Further details of these projects can be found on my website and on GitHub.

### SKILLS

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|------------------------------------|--------------------------------|--|
| • Operating Systems (OS) Internals | • Concurrency & Multithreading | • Low and High Level Programming Languages |
| • Team Work and Communication      | • Compilers and Interpreters   | • Computer Architecture                    |

### LANGUAGES

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Dutch	● ● ● ● ●	English	● ● ● ● ●
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