

CV

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PROFESSIONAL PROFILE

MSc in Computer Science from the University of Copenhagen with skills in programming, software development, and problem-solving. Through my studies and projects, I have worked on developing tools like a compiler for a functional programming language, giving me practical experience with Python, Java, and creating solutions that work in real-world scenarios. I am ready to bring this knowledge into a professional setting.

I enjoy breaking down challenges and to find ways to make things work better. I approach tasks with structure and focus and value working with others to achieve goals. I am looking forward to contributing to projects where I can combine my technical skills and curiosity to create software that makes a difference.

Core competences:

- **Software optimization:** Skilled in identifying inefficiencies in code and implementing performance enhancements to improve functionality and user experience.
- **Attention to detail:** Focused on delivering high-quality results by ensuring accuracy and clarity in projects.
- **Collaboration:** Skilled at working effectively in teams, contributing to shared goals while managing individual responsibilities.

PROGRAMMING SKILLS

Python ●●●●●
C# ●●●●●

Java ●●●●●
SQL ●●●●●

Javascript ●●●●●
Figma ●●●●●

EDUCATION

Master of Science in Computer Science // University of Copenhagen // 2022 - 2024

Specialization: Programming Languages and Systems

Focused on the design, development, and optimization of programming languages and their underlying systems. Acquired in-depth knowledge of compiler construction, type systems, and performance analysis.

Master's Thesis: "Design and Implementation of a Functional Programming Language Compiler"

- Conceptualized and developed a compiler for a custom functional programming language designed for educational and analytical purposes.
- Implemented core components, including a lexer, parser, semantic analyzer, and code generator, to emphasize performance and scalability.
- Conducted comprehensive testing to secure robustness and error handling, reducing runtime errors by +30%.

Key Courses: *Advanced Programming, Compiler Construction, Software Performance Optimization, Type Systems.*

Tools & Technologies: *Python, Java, custom compiler frameworks, and debugging tools.*

Bachelor of Science in Computer Science // University of Copenhagen // 2019 - 2022

Built a strong foundation in algorithms, data structures, and software development, with a focus on practical applications in real-world scenarios.

Bachelor's Project: "Data Structures for Efficient Traffic Pattern Analysis"

- Designed and implemented algorithms to analyze and predict traffic flow patterns based on historical data.
- Developed a prototype system that reduced data processing time by 23% compared to traditional methods.
- Used Python and SQL to handle data storage, processing, and visualization.
- Presented findings in a capstone presentation that received high marks for clarity and innovation.

PERSONAL PROFILE

In my free time, I love diving into creative projects like making electronic music or tinkering with small programming ideas. I am a huge fan of board games and World of Warcraft, where I have learned to appreciate teamwork, strategy, and the occasional laugh at my own mistakes. For me, it is all about staying curious, having fun, and enjoying good moments with people around me.