

Sebastian F. Steffensen

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Education

Zealand Business College

Higher Technical Examination Programme in Robot Technology

Aug 2021 — Jun 2024

Slagelse, Zealand, Denmark

- **Grade Average:** 9.9 / 12.0 Grade Average
- **Courses:** Mathematics A, Engineering A, English A, Danish A, Programming B, Physics B, Chemistry B, History B, Technology B, Biology C, Communication and IT C, Social Studies C, Psychology C
- ***The Individual Project (SOP)*:** Neural Networks: Theory, Practice, and Optimization | *Mathematics A, Programming B*

Work Experience

Zealand Business College (ZBC)

Contract Developer

Slagelse

Jan 2024 — Jun 2024

- Led the development of a digital solution for ZBC's confectionary department in a three-person team, creating a website for ingredient management and compliance with nutritional standards.
- Designed, built, and managed a PostgreSQL database, including a secure admin panel for controlling ingredient and nutrient data.
- Developed authentication mechanisms to ensure exclusive administrative access, maintaining data integrity and security.

Multiline

Youth Worker

Sorø

Sep 2018 — Sep 2024

- I worked as a youth worker at Multiline, specifically in the storage and packaging department. My duties included material sorting and ensuring the proper disposal and recycling of waste.

Licenses & Certifications

Cyber Karriere (CC-2024)

Issued by Talentfulde Unge Øst

Sep 2024

Cyber Talent Akedemi (CTA-2023)

Issued by Talentfulde Unge Øst

Apr 2023

Projects

SolidJS Portfolio

Personal Project

May 2024 — Jun 2024

- Replaced my previous portfolio with a new one written in SolidJS.
- Focused on improving the user experience and enhancing performance with optimized routing and state management.

DTime

Personal Project

Aug 2024 — Aug 2024

- Developed a simple and efficient application for calculating download time based on internet speed.
- Built with a Rust backend and a SolidJS frontend using Tauri V2.
- Managed a public GitHub repository, implementing CI/CD using GitHub Actions to ensure proper rules, quality assurance, and continuous integration/delivery.
- Gained practical experience in setting up automated workflows for testing and deployment.

PassMan - The Password Manager

Programming Exam

Jan 2023 — May 2023

- Developed a password manager using Tauri, Rust, Svelte, and Sveltekit, incorporating a BCrypt hash-check system and a customizable password generator with automatic entropy calculation.
- Engineered a robust system for storing and managing user accounts and passwords.

RustCNN

The Individual Project

Sep 2023 — Dec 2023

- Developed a Rust-based CNN that integrates multiple activation functions and optimization techniques, enhancing model performance and accuracy.

- Performed extensive testing and benchmarking, significantly improving network efficiency and reliability.

Skills

- **Soft Skills:** Communication, Critical Thinking, Debating, Persuasive Writing, Technical Writing
- **Programming:** Rust, C#, Python, HTML & CSS, Javascript/Typescript, Typst, LaTeX
- **Tools:** Microsoft Word, Docker, Git, Visual Studio Code, Various JetBrains IDEs, MacOS, Unity, CI/CD
- **Web Development:** Svelte, Tailwind CSS, Node & Bun, NextJS, SolidJS

Languages: Danish (Native speaker), English (Native speaker)

Interests: Programming, Video Games, Reading Non-fiction, Music

References

- **Lars Reng, CIO, Zealand Business College:** “Sebastian is a dedicated and talented student and teaching assistant who has shown great promise in his studies. His ability to grasp concepts and apply them in practical projects, as well as assist and guide his peers, is impressive. I have no doubt that he will excel in any role he takes on in the future.”