

Henrik Zenkert

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PROFILE

An extroverted and math-interested software engineer with a passion for audio, low-level systems programming and web development. I am studying my 5th semester of Software Engineering, 'Diplomingeniør' at DTU. My average grade is 10.8/12. I am a very diligent and hardworking person, who is always eager to learn new things. I have loved to program since I was a teenager. I am a social person, who enjoys working in teams, which I have done as a teaching assistant in discrete mathematics, where I have received high ratings from my students, but also as a freelance programmer.

EDUCATION

Danmarks Tekniske Universitet, grade 10.8/12 <i>Diplomingeniør Softwareteknologi (BSc)</i>	Sep 2022 – Jan. 2026 <i>Copenhagen, Denmark</i>
Luleå Tekniska Högskola <i>Objektorienterad programmering och design</i>	2019 <i>Luleå, Sweden</i>

EXPERIENCE

Teaching Assistant in Discrete Mathematics <i>Danmarks Tekniske Universitet</i>	2023 – <i>Copenhagen, Denmark</i>
<ul style="list-style-type: none">• I teach between 20–30 students in discrete mathematics weekly• Subjects include combinatorics, formal proofs, differential equations, and induction proofs• Teaching in Danish and English	
Software Engineer Consultant <i>Pengu Studios AB</i>	June 2022 – <i>Remote/Lund, Sweden</i>
<ul style="list-style-type: none">• Responsible for setting up AWS servers for website• Created a reverse proxy necessary for connecting to third party APIs• Web scraping and automating fetching data with Javascript, Python, and Rust	
IT Admin/Software Engineer Contractor <i>Zenjon AB</i>	2018 – 2022 <i>Remote, Sweden</i>
<ul style="list-style-type: none">• Worked on MCPEDL.com, a website for Minecraft mods, Bedrock Edition• Reviewed code submissions for plagiarized material and automated the review process• Developed scripts in JavaScript and GreaseMonkey for spam processing	

PROJECTS

<u>Dataman</u> <i>Rust, SQLite</i>	2024
<ul style="list-style-type: none">• Excel-like data wrangler in the terminal• Use regex or SQL to transform data• Reads files into an in-memory SQLite database to transform in the TUI app	
<u>Ariavault.com</u> <i>React, NextJS, MySQL, Python, Rust</i>	2022
<ul style="list-style-type: none">• A web platform for opera sheet music which have become public domain• Python was used for splitting whole operas scores up into individual songs and ensembles• NextJS generates static html from database, for improved UX	
<u>Pianisto.net</u> <i>Html, CSS, JS, Svelte, Tone.js</i>	2022
<ul style="list-style-type: none">• An online piano that you can play in the browser with a customizable amount of keys• Works with keyboard, touch, or mouse• Made by me, a musician, for other musicians to use	

TECHNICAL SKILLS

Languages: Java, Python, SQL, Javascript, Typescript, React, Rust, Bash

Other: Git, Google Cloud Platform, AWS, Linux, Audio Theory