

BJORN ELVAR THORLEIFSSON

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EDUCATION

Reykjavik University

Bachelor of Science in Computer Science. Dean's list spring semester 2024.

Reykjavik, Iceland

Aug. 2021 – June 2024

Taekniskolinn

Associate's in Audio Engineering

Reykjavik, Iceland

Jan. 2018 – Dec 2018

EXPERIENCE

Data Scientist

Cardiosense

June 2024 – Present

Chicago, IL

- Developed a dataloader using Rust for usage in Python
- Developed a data pipeline using Rust to process raw binary files from medical devices
- Designed and implemented a SQL database to store and track deidentified patient data

Research Assistant / Backend Engineer

Reykjavik University

May. 2023 – Sep. 2023

Reykjavik, Iceland

- Developed a REST API using .NET for a web-based sleep research platform
- Utilized the sharding pattern to scale the database horizontally
- Achieved a 95% reduction in storage size leading to 80% improvement in segmentation loading time

Audio Engineer

Storytel

May. 2022 – Nov. 2022

Reykjavik, Iceland

- Recorded, edited, and mixed audiobooks
- Worked closely with production leads and narrators to ensure timely project completion

Project Manager / Sound Technician

Hljomahöll / Icelandic Museum of Rock 'n' Roll

Feb. 2019 – Sep. 2021

Reykjanesbaer, Iceland

- Live event coordination and live audio mixing
- Content creation for the Icelandic Museum of Rock 'n' Roll

PROJECTS

NBA Scores: Alfred Workflow | Python

Oct 2022 – Present

- Used the NBA API to get data and built a workflow around it using Python
- Got featured on the official Alfred Blog

NFL Pick 'em | .NET, C#, TypeScript, NextJS, Postgres

June 2023 – Present

- Built a web application for a group to play NFL pick'em games
- Integrated the ESPN API to fetch game data
- Hosted the backend on fly.io and the frontend on Vercel
- Used daily by about 200 users

TECHNICAL SKILLS

Languages: Python, C#, Rust, JavaScript, TypeScript, SQL, LaTeX

Frameworks: .NET, EF Core, React, NextJS

Developer Tools: Git, Docker, Azure, bash

Libraries: pandas, NumPy, Matplotlib, polars