BJORN ELVAR THORLEIFSSON

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EDUCATION

Reykjavik University — Reykjavik, Iceland
Bachelor of Science in Computer Science. Dean's list spring semester 2024. — *Aug 2021 – Jun 2024*

Taekniskolinn — Reykjavik, Iceland
Associate's in Audio Engineering — *Jan 2018 – Dec 2018*

EXPERIENCE

Data Scientist — Jun 2024 – Present
Cardiosense — *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** — May 2023 – Sep 2023
Reykjavik University — *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 — May 2022 – Nov 2022
Storytel — *Reykjavik, Iceland*

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

Project Manager / **Sound Technician** — Feb 2019 – Sep 2021
Hljomaholl / Icelandic Museum of Rock 'n' Roll — *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* — Jun 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