David Hall

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💼 Work Experience

Cloud Software Group
Spotfire

Gothenburg, Sweden

⬤ **Senior Software Engineer** — *September 1, 2025 – Present*

⭘ **Software Engineer** — *July 11, 2022 – August 31, 2025*

- ▶ Full stack development using technologies such as:
  - › .NET, TypeScript, JavaScript, React, Preact, SQL, Python, REST APIs, and Docker.
- ▶ Experience with many types of databases and data warehouses, such as:
  - › Databricks, Snowflake, PostgreSQL, Amazon Redshift, Dremio, etc.
- ▶ Research, architecture design, and development.
- ▶ Led an international developer team.
- ▶ Mentored new employees.
- ▶ Involved in hiring new employees.
- ▶ Held company-wide presentations.
- ▶ Engaged in partner meetings.

Syntronic
Collaboration with MedTech West and Sahlgrenska Academy

Gothenburg, Sweden

⭘ **M.Sc. Thesis Intern** — *January 25 – June 11, 2022*

- ▶ Gained scientific research experience in data science and AI.
- ▶ Developed deep learning models for medical classification.
- ▶ Worked in Python with libraries such as PyTorch, NumPy, and Pandas.
- ▶ Used Weights & Biases for experiment tracking and hyperparameter tuning.

TIBCO
Spotfire

Gothenburg, Sweden

⭘ **Junior Developer** — *June 14 – August 20, 2021*

- ▶ Full stack development using technologies such as .NET and SQL.
- ▶ Played a key role in further improvements to the Amazon Redshift connector in Spotfire.

TIBCO
Spotfire

Gothenburg, Sweden

⭘ **Associate Engineer** — *June 8 – August 21, 2020*

- ▶ Full stack development using technologies such as .NET and SQL.
- ▶ Drove the "Amazon Redshift Ready" initiative together with another intern. This included support for Redshift's Spectrum feature and connector improvements in Spotfire.

🎓 Education

Civilingenjör, Software Engineering
Chalmers University of Technology (Informationsteknik)

2017 – 2022

Gothenburg, Sweden

▸ 300 credits

M.Sc. Data Science and AI
Chalmers University of Technology

2020 – 2022

Gothenburg, Sweden

▸ 120 credits
▸ Master's thesis at Syntronic
  › *Machine learning for brain activity analysis*

B.Sc. Software Engineering
Chalmers University of Technology (Informationsteknik)

2017 – 2020

Gothenburg, Sweden

▸ 180 credits
▸ Bachelor's thesis
  › *A Unity Asset for Procedurally Generating Cities*

🧩 Skills

Professionally Used Languages and Frameworks

▸ C#, .NET
▸ SQL
▸ TypeScript
▸ JavaScript
▸ React
▸ Preact
▸ Python
▸ HTML
▸ CSS
▸ Java

Software Development

▸ Full stack development
▸ Object-oriented design patterns
▸ Object-oriented design principles
▸ Agile development
▸ Test-driven development
▸ Version control (Git)

✏️ Hobby Projects

Open Source
▸ tmdb-js – A JavaScript wrapper for the TMDb (The Movie Database) API.