David Hall

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💼 Work Experience

Cloud Software Group   October 1, 2022 – Present
Software Engineer, TIBCO Spotfire   *Gothenburg, Sweden*
> New development in both back-end and front-end.
> Working in an international team.

TIBCO   July 11 – September 30, 2022
Software Engineer, TIBCO Spotfire   *Gothenburg, Sweden*
> New development in both back-end and front-end.

TIBCO   June 14 – August 20, 2021
Junior Developer (Summer Internship), TIBCO Spotfire   *Gothenburg, Sweden*
> New development in back-end.

TIBCO   June 8 – August 21, 2020
Associate Engineer (Summer Internship), TIBCO Spotfire   *Gothenburg, Sweden*
> New development in both back-end and front-end.

🎓 Education

Chalmers University of Technology   2017 – 2022
Civilingenjör i Software Engineering (Informationsteknik)   *Gothenburg, Sweden*
> 300 credits

Chalmers University of Technology   2020 – 2022
M.Sc. Data Science and AI   *Gothenburg, Sweden*
> 120 credits
> Thesis at Syntronic: *Machine learning for brain activity analysis*

Chalmers University of Technology   2017 – 2020
B.Sc. Software Engineering (Informationsteknik)   *Gothenburg, Sweden*
> 180 credits
> Thesis: *A Unity Asset for Procedurally Generating Cities*

Rosendalsgymnasiet   2014 – 2017
Natural Sciences Program (High School)   *Uppsala, Sweden*
> Thesis: *Fractals and Their Hidden Dimension*

✏️ Hobby Projects

Android Apps

> "Bomb Clearer" – A material design minesweeper game.
> "Seniorradio" – Swedish radio app for the elderly.
> "Walkabout" – An app for randomizing walks.
> "GRID" – A puzzle game where you need to remember patterns.

Open Source

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

📘 Skills

Programming and Markup Languages Used Professionally

> C#
> Java
> Python
> SQL
> TypeScript

> React
> JavaScript
> HTML
> CSS

Software Development

> Fullstack – Back-End and Front-End
> Object-Oriented Design Patterns
> Object-Oriented Design Principles
> Concurrent/Parallel Programming

> Agile Development and Scrum
> Testing
> Version Control (Git)
> Databases (Relational and NoSQL)

Artificial Intelligence and Machine Learning

> Supervised Learning
> Unsupervised Learning
> Reinforcement Learning

> Neural Networks and Deep Learning
> Avoiding Overfitting/Underfitting
> Model Evaluation Techniques

Mathematics

> Modelling and Problem Solving
> Statistics
> Probability
> Nonlinear Optimization
> Linear Algebra

> Multivariable Calculus
> Discrete Mathematics
> Stochastic Processes
> Bayesian Inference
> Causality and Causal Inference

🌐 Languages

Native   Swedish
Fluent   English
Beginner   Spanish