

David Hall

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Work Experience

Cloud Software Group

Software Engineer, TIBCO Spotfire

- › New development in both back end and front end.
- › Working in an international team.

October 1, 2022 – Present

Gothenburg, Sweden

TIBCO

Software Engineer, TIBCO Spotfire

- › New development in both back end and front end.

July 11 – September 30, 2022

Gothenburg, Sweden

TIBCO

Junior Developer (Summer Internship), TIBCO Spotfire

- › New development in back end.

June 14 – August 20, 2021

Gothenburg, Sweden

TIBCO

Associate Engineer (Summer Internship), TIBCO Spotfire

- › New development in both back end and front end.

June 8 – August 21, 2020

Gothenburg, Sweden

Education

Chalmers University of Technology

Civilingenjör i Software Engineering (Informationsteknik)

- › 300 credits

2017 – 2022

Gothenburg, Sweden

Chalmers University of Technology

M.Sc. Data Science and AI

- › 120 credits
- › Thesis at Syntronic: [Machine learning for brain activity analysis](#)

2020 – 2022

Gothenburg, Sweden

Chalmers University of Technology

B.Sc. Software Engineering (Informationsteknik)

- › 180 credits
- › Thesis: [A Unity Asset for Procedurally Generating Cities](#)

2017 – 2020

Gothenburg, Sweden

Rosendalsgymnasiet

Natural Sciences Program (High School)

- › Thesis: [Fractals and Their Hidden Dimension](#)

2014 – 2017

Uppsala, Sweden

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

- › C#
- › Java
- › SQL
- › JavaScript
- › TypeScript
- › Python
- › React
- › HTML
- › CSS
- › Haskell
- › Erlang
- › MATLAB

Software Development

- › 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

 Miscellaneous

Swedish Driver's License Since 2017-03-03.