

David Hall

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Work Experience

Cloud Software Group

Software Engineer, Spotfire

October 1, 2022 – Present

Gothenburg, Sweden

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

TIBCO

Software Engineer, TIBCO Spotfire

July 11 – September 30, 2022

Gothenburg, Sweden

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

Syntronic

M.Sc. Thesis Intern, Chalmers University of Technology

January 25 – June 11, 2022

Gothenburg, Sweden

- > Collaborated with MedTech West and Sahlgrenska Academy

TIBCO

Junior Developer (Summer Internship), TIBCO Spotfire

June 14 – August 20, 2021

Gothenburg, Sweden

- > New development in back-end.

TIBCO

Associate Engineer (Summer Internship), TIBCO Spotfire

June 8 – August 21, 2020

Gothenburg, Sweden

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

Education

Chalmers University of Technology

Civilingenjör i Software Engineering (Informationsteknik)

2017 – 2022

Gothenburg, Sweden

- > 300 credits

Chalmers University of Technology

M.Sc. Data Science and AI

2020 – 2022

Gothenburg, Sweden

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

Chalmers University of Technology

B.Sc. Software Engineering (Informationsteknik)

2017 – 2020

Gothenburg, Sweden

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

Rosendalsgymnasiet

Natural Sciences Program (High School)

2014 – 2017

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

- › [tmdbs-js](#) – A JavaScript wrapper for the TMDb (The Movie Database) API.

Skills

Programming and Markup Languages Used Professionally

- | | |
|--------------|--------------|
| › C# | › React |
| › Java | › JavaScript |
| › Python | › HTML |
| › SQL | › CSS |
| › TypeScript | › Swift |

Software Development

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|--------------------------------------|------------------------------------|
| › Fullstack – Back-End and Front-End | › Agile Development and Scrum |
| › Object-Oriented Design Patterns | › Testing |
| › Object-Oriented Design Principles | › Version Control (Git) |
| › Concurrent/Parallel Programming | › Databases (Relational and NoSQL) |

Artificial Intelligence and Machine Learning

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|--------------------------|-------------------------------------|
| › Supervised Learning | › Neural Networks and Deep Learning |
| › Unsupervised Learning | › Avoiding Overfitting/Underfitting |
| › Reinforcement Learning | › Model Evaluation Techniques |

Mathematics

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|---------------------------------|----------------------------------|
| › Modelling and Problem Solving | › Multivariable Calculus |
| › Statistics | › Discrete Mathematics |
| › Probability | › Stochastic Processes |
| › Nonlinear Optimization | › Bayesian Inference |
| › Linear Algebra | › Causality and Causal Inference |

Languages

Native Swedish

Fluent English

Beginner Spanish