# **David Hall**

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in /david98hall /david98hall



October 1, 2022 - Present

Gothenburg, Sweden

# Work Experience

#### **Cloud Software Group**

Software Engineer, Spotfire

- > 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.

**Syntronic** January 25 - June 11, 2022 M.Sc. Thesis Intern, Chalmers University of Technology Gothenburg, Sweden

> Collaborated with MedTech West and Sahlgrenska Academy

**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 - 2022Gothenburg, Sweden

Civilingenjör i Software Engineering (Informationsteknik)

> 300 credits

#### **Chalmers University of Technology**

M.Sc. Data Science and Al

> 120 credits

> Thesis at Syntronic: Machine learning for brain activity analysis

#### **Chalmers University of Technology**

B.Sc. Software Engineering (Informationsteknik)

> 180 credits

> Thesis: A Unity Asset for Procedurally Generating Cities

### Rosendalsgymnasiet

Natural Sciences Program (High School)

> Thesis: Fractals and Their Hidden Dimension

2020 - 2022

Gothenburg, Sweden

2017 - 2020

Gothenburg, Sweden

2014 - 2017Uppsala, 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 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