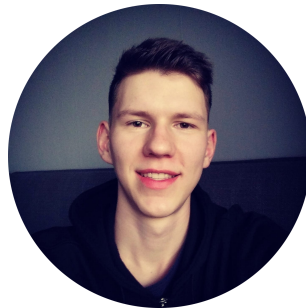


# David Hall

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in /david-hall  
o /david98hall



## 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

2020 – 2022  
Gothenburg, Sweden

### Chalmers University of Technology

B.Sc. Software Engineering (Informationsteknik)

> 180 credits

> Grade: 4.4/5

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

2017 – 2020  
Gothenburg, Sweden

### Rosendalsgymnasiet

Natural Sciences Program (High School)

> Grade: 4.4/5

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

2014 – 2017  
Uppsala, Sweden

## Work Experience

### TIBCO Spotfire

Junior Developer in Data Access (Summer Internship)

> New development in back end.

> Worked in an international team.

June 14 – August 20, 2021  
Gothenburg, Sweden

### TIBCO Spotfire

Associate Engineer in Data Access (Summer Internship)

> New development in both back end and front end.

> Worked in an international team.

June 8 – August 21, 2020  
Gothenburg, 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

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

## Skills

### Programming Languages

- |              |          |
|--------------|----------|
| › C#         | › Erlang |
| › Java       | › SQL    |
| › Python     | › SPARQL |
| › JavaScript | › Cypher |
| › C          | › R      |
| › Haskell    | › MATLAB |

### Artificial Intelligence and Machine Learning

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

### Software Development

- |  |                                    |
|--|------------------------------------|
| › Back End and Front End                         | › Testing                          |
| › Object-Oriented Design Patterns and Principles | › Version Control (Git)            |
| › Concurrent/Parallel Programming                | › Databases (Relational and NoSQL) |
| › Agile Development and Scrum                    | › Techniques for Large-Scale Data  |
|  | › Semantic Web                     |

### Mathematics

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

## Languages

**Native** Swedish

**Fluent** English

**Beginner** Spanish

## Miscellaneous

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