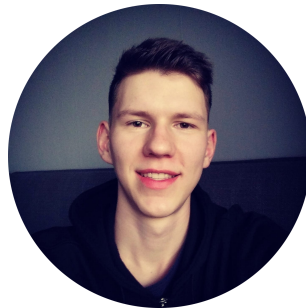


David Hall

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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

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

Skills

Programming Languages

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

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

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