

REBECCA DAVIDSSON

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EXPERIENCE

Intern Advanced Analytics

Avanade

November 2020 – June 2021 Utrecht

Analysis and comparison of machine learning- and mathematical models, applicable to Covid-19 data: [thesisproject.app](#). Grade: 9. Tools: Python, Tensorflow, Pandas, Plotly, React, PowerBI.

Junior Frontend Developer

House Of Tracks

May 2020 – May 2021 Zaandam

- For the music company SetFreaks, a new website was created in React, where I mainly focused on frontend development. The job included building a music player, setting up the entire redux store, critical thinking about the design and creating animations in JavaScript.
- The music marketplace House Of Tracks launched a new website. I was responsible for a great part of the mobile version and responsiveness. Furthermore, I added new pages and optimized the code of the existing website.

Teaching Assistant

University of Amsterdam

September 2019 – Nov. 2020 Amsterdam

- TA at the course Requirements Engineering at the master Software Engineering.
- Teaching programming courses at the UvA covering C, Python and JavaScript at the minor programming. Courses taught are the CS50(x) course, Webapps, Databases and webprogramming and a programming-project. Responsibilities included tutoring students, grading assignments and working on small programming tasks for the course website and grading functions.

OTHER ACTIVITIES

Research Intern

University Medical Center Utrecht

February 2019 – June 2019 Utrecht

A project about Brain-Computer Interfaces (BCI), included creating models to predict the outcome of certain features measured by BCIs. This project required programming in Matlab and R-studio.

Stationslab Utrecht Central Station

September – October 2018 Utrecht

Research into improving navigation through and around Utrecht station in collaboration with the NS, University of Amsterdam and Prorail. This project required setting up experiments with a team of students which also included programming in Matlab.

SKILLS

React

Python

JavaScript

SQL

Tensorflow

HTML5

CSS & sass

Vue

TypeScript

D3

ChartJS

Django

Plotly

Pandas

Data Science, Analytics & Visualization

Databases

Machine Learning

Git

Databricks

Large Scale Data Engineering

LANGUAGES

Dutch
English
Swedish



EDUCATION

M.S. in Computational Science

University of Amsterdam

Sept 2019 – June 2021

- Thesis project: Machine Learning and Mathematical Models
- Machine Learning
- Data Mining Techniques
- Scientific Visualization
- Large Scale Data Engineering
- Numerical Algorithms
- Evolutionary Computing
- Complex Systems
- Distributed Algorithms

B.S. in Cognitive Neuroscience

University of Amsterdam

Sept 2016 – June 2019

- Programming in Matlab
- Calculus for Biology
- Academic Skills & Scientific Writing

PROJECTS

Greentech Hackathon

♥ Vandebron

Challenge to develop Electric Vehicles (EV) pool management and forecast number of EVs charging at a given moment in the future. With a team, we reached first place in the hackathon, using time-series forecasting to get to our solution.

Avanade Programming Contest

♥ Avanade

Together with a team, we reached first place in Avanade's world programming contest.

OTHER COURSES

- Udemy: React Complete Guide
- Microsoft: Azure AI Fundamentals
- Python: Advanced Design Patterns
- Angular: Build Large Applications
- React: SSR