

Mike Heddes

Email: mikeheddes@gmail.com — Home location: Amsterdam

About me

Goals

Learn, improve and innovate.
Use my creativity, make things exciting and stay curious.

Professional interests

Machine learning, web development, data science, physics and mathematics.

Technologies

Python: Pandas, Numpy, Keras, Tensorflow; **JavaScript:** React, Express, Webpack, Jest, Enzyme, ESLint, Rollup, Mongoose, Redux; **PHP; C#; MongoDB;**
Docker; CSS: SASS; **HTML;**

Personal interests

Design, art, music production, innovation, comedy, astrology.

Education

Engineering, Design and Innovation

2015 - 2019, Amsterdam NL

Bachelor at the Amsterdam University of Applied Sciences. Minor in Creative Engineering, major in Mechanical Engineering. Courses focused on physics, mathematics and design. Developed my interest in coding which motivates me to do a computer science graduate study afterwards.

Work experience

Zamro / ERIKS Digital

Frontend Developer Summer 2018, Amsterdam NL

- Created and maintained the internal react component library. Used and relied upon by many teams within the ERIKS corporation.
- Transformed the webshop from a heavy framework to a react app.
- Tested code by writing unit and regression tests.

Nubis

Junior Developer Fall 2017, Amsterdam NL

- Developed the websites of companies like Citroën, Peugeot and Adidas.
- Retrieved product data by scraping the website or integrating the API of online stores for a price comparison site.

Vic Obdam

Mechanical Engineer 2015 - 2018, Obdam NL

- Collected, analyzed and visualized IoT assembly line data to support the quality assurance decisions.
- Automated 3D modeling workflow with Python and C# connecting with the modeling software's API.

Projects

Personal Website github.com/mikeheddes/mikeheddes-website

- Designed the user interface <https://mikeheddes.nl>
- Contributed to webpack responsive-loader
- Implemented sever side rendering and hot reloading

Deep Learning Model github.com/mikeheddes/DC_NN

- Implemented with fully connected, convolutional, dropout and various activation layers
- Classified the MNIST image dataset 98.5% accurate
- Created without the use of a neural network library

Natural Language Search Engine

- Created a Google smart card like search engine
- Answered with relevant data e.g. news, weather, country information
- Worked with the JavaScript location API and third-party API's to analyze the request and show to relevant information