

HUANG YIPING

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EDUCATION

Maastricht University

Sept. 2018 – Present

Honours Bachelor of Science

Major in Data Science and Artificial Intelligence

- GPA 9.1/10

Online Courses

- Introduction to Deep Learning (STAT 157), UC Berkeley
- Introduction to Artificial Intelligence (CS 188), UC Berkeley
- Natural Language Processing Specialization, Coursera
- Deep Learning Specialization, Coursera
- Machine Learning, Coursera

ACADEMIC PROJECTS

Encrypted Messaging App | Python

Nov. 2020 - Jan. 2021

- Project for course *Cloud Computing*.
- Coded messaging app using socket, multi-threading with C/S architecture.
- Ensured dialog confidentiality with standard encryption method from RSA and AES.

Caterpillar Locomotion Simulation based on CPG Control | Arduino

Feb. 2020 - Mar. 2020

- Project for course *Robotics and Embedded System*.
- Coded biobased control mechanism on EDMO robotic module.

Trajectory Planning Simulator | Java, JavaFX

Mar. 2019 - May 2019

- Simulated spacecraft launching with PID control
- Approximation made by higher order methods like RK4.

Graph Coloring Solver | Java, Java Swing

Sept. 2018 - Nov. 2018

- Combined heuristic strategies with efficient backtracking for computing the solution.
- Enhanced UI for educative purpose.

WORK EXPERIENCE

Statistics Netherlands(CBS), Heerlen

Sept. 2019 - Present

Data Analyst (Part time)

- Improved explainability of LDA Model with input from Textrank algorithm.
- Scrapped html documents from websites of Dutch companies.
- Conducted text mining using visualization and statistical skills.

Shanghai Education Software Corporation, Shanghai

July 2015 - Aug. 2018

Software Engineer (full time)

- Built various management systems for clients in education sector using **Vue.js**, **Node.js**, **Mongodb**, **MySQL**.
- Built HTML5 game for MOOC courses using **Phaser**

PROGRAMMING SKILLS

Languages: Python, Javascript, C, Matlab, Java, SQL, Prolog

DS/ML Frameworks: MXNet, PyTorch, Pandas, NumPy, Matplotlib, scikit-learn, Spacy

Web Development Frameworks: Vue.js, Bootstrap, Express, React.js, Flask, Django

HPC Frameworks: MPI, OpenMP

Developer Tools: Git, Bash, Google Cloud Platform, PyCharm, VSCode, Jupyter Lab, Chrome Web Tool

LANGUAGES

- English, Dutch, Chinese(mother tongue), Japanese