Sebastian Whitehead

MSc Medialogy - Synthetic data and Machine Learning specialist

Profile

Multilingual Masters Graduate with a strong background in full-stack development, design, machine learning and synthetic data generation. Experienced in developing and implementing data-driven solutions through research and university projects. Quick to learn new technologies and frameworks, with a collaborative mindset and a focus on delivering structured and efficient results.

Personlig information

🏠 9400, Nørresundby

📱 93856454

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🌐 github.com/Sebastian-Whitehead

in Sebastian Whitehead

Languages

Danish
Fluent

English
Native

Professional skills

Full stack Development - Python, C#, .NET, Unity, HLSL, Java (App Dev)

Machine Learning - Tensor Flow, Pytorch

Computer Vision - OpenCV, YOLO

Data Analysis - R, Pandas, Scikit-learn

Graphic design and 3D Modelling (Adobe Suite, Blender, Cinema4D)

Video editing (Adobe / Davinci Resolve)

User-Centered Design / Human Computer Interraction

Project-Oriented Workflows (Scrum)

Cross-Disciplinary Communication (Programming / Desgin)

Digital Version Control - Github, Docker

Web Development - HTML, CSS, JavaScript, PHP, Angular

Voluntary work

Resident Board & Event Organizer
PFA Kolligiet Aalborg (August 2020 - 2024)

First Aid Responder - Hjerteløber
Trygfonden (September 2019 - Now)

Service and Practical Helper for Election Workers
PFA Kollegiet Polling Station (November 2021 & 2022)

Education

Masters, Medialogy, Aalborg Universitet
Aalborg
September 2023 - June 2025

Bachelor, Medialogi, Aalborg Universitet
Aalborg
September 2020 - June 2023

Experience

Internship, Trackman
Copenhagen
September - December 2020

Projects

Evaluating synthetic digital twin data quality: A no-reference approach using a pretrained vision model and a customizable data generator, AAU
Febuar 2025 - Juni 2025
Master's Thesis
Synthetic Data Quality Assessment and Its Impact on Computer Vision Models

Simu Swing, Trackman & AAU
September 2024 - December 2024
Synthetic Data Generator for Use in Sports Tracking

Brakish SGD, AAU
September 2023 - Januar 2024
Synthetic Data Generation for Machine Learning

Virtual Edutainment Museum Prototype, AAU
September 2023 - Januar 2024

Predicting room occupancy with machine learning, AAU
September 2023 - Januar 2024

2D Foraging Simulator with Neural Networks and Genetic Algorithms, AAU
Febuar 2023 - Juni 2023

BCI Turn Based Strategy Game for Users with Cerebral palsy, AAU
Febuar 2023 - Juni 2023
Bachelor's Thesis

Exercise in Web & Social Media Technology, AAU
Febuar 2023 - Juni 2023

Exploring the Feasibility of Persistent Virtual Reality Guardians for Enhanced Confidence in Play Spaces Without Breaking User Immersion, AAU
September 2022 - Januar 2023