

CONTACT

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SKILLS

Python	5+ yrs
Java	3+ yrs
MATLAB	3+ yrs
Deep Learning	3+ yrs
Linux	5+ yrs
Database	3+ yrs
Web Development	2+ yrs

RUIHENG WU

Ph.D. Student - Computer and Information Science

EDUCATION

Ph.D. COMPUTER and INFORMATION SCIENCE
University of Konstanz

2022 - Now

Study fish optokinetic response with the help of computer vision and robotics

M.Sc. COMPUTER and INFORMATION SCIENCE
University of Konstanz

2020 - 2022

Thesis: DeepShapeKit: accurate 4D shape reconstruction of schooling fish

B.Sc. COMPUTER and INFORMATION SCIENCE
University of Konstanz

2015 - 2019

Thesis: Investigating the Effectiveness of Deep Learning Methods for Citation-based Plagiarism Detection

WORK EXPERIENCE

SCIENTIFIC ASSISTANT
University of Konstanz, Exzellenzcluster

2022

Fish pose tracking and 4D reconstruction

SCIENTIFIC ASSISTANT
University of Konstanz, FB Informatik&Inf.Wiss./LB Brandes

2016 - 2017

Implementation of Clustering Coefficient analysis and Overlapping Removal algorithm in the software *Visone* with Java

<https://visone.ethz.ch/html/about.html>

PUBLICATIONS

Non-invasive eye tracking and retinal view reconstruction in free swimming schooling fish
Communications Biology

2024

Status: under review

DeepShapeKit: accurate 4D shape reconstruction of schooling fish
International Conference on Intelligent Robots and Systems (IROS 2022)

2022

<https://doi.org/10.1109/IROS47612.2022.9982097>