

RUNSHENG LIU

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[Linkedin](#) | [GitHub](#)

EDUCATION

The Hong Kong University of Science and Technology
Computer Science Bachelors
CGPA: 3.797

Hong Kong
September 2022 - June 2026

University of California, Berkeley
Degree in Exchange

Berkeley, CA, United States
June 2023 - August 2023

Univerity of Southern California
Degree in Exchange

Los Angeles, CA, United States
January 2025 - May 2025

EXPERIENCE

DRESIO Limited | AI Engineer

Hong Kong | June 2024 - August 2024

Develop computer vision technology for biomechanics measurement. Projects include depth prediction, object segmentation and geometric deep learning.

HKUST CSE | Teaching Assistant

Hong Kong | September 2023 - December 2023

Assist PG Teaching Assistant in delivering lab seesions for COMP2611: Computer Organization.

Smart Lab HKUST | Undergraduate Researcher

Hong Kong | June 2023 - Present

Our research directions include large-scale models for healthcare, computer-assisted intervention, AI for science, and bioinformatics

SKILLS

Programming Languages: C++, Python, Java, Swift, R, Javascript
Libraries/Frameworks: Pytorch, Tensorflow, React.js
Tools / Platforms: Git, AWS, Linux
Databases: SQL, MongoDB

PROJECTS / OPEN-SOURCE

Deep Learning for Medical Image Analysis | [Link](#)

Python, Pytorch

This work presents a unified and general approach for touching, overlapping, and crossing instances in biomedical instance segmentation which leverages instance gradient information. This work is received by the 2024 IEEE International Conference on Bioinformatics and Biomedicine (IEEE BIBM 2024).

Decentralized Data Management Platform with Blockchain | [Link](#)

Javascript, React.js, Ethereum

This project explores the design and implementation of a decentralized storage system leveraging InterPlanetary File System (IPFS), OrbitDB, and blockchain technology, named IPFS Library. Our system demonstrates an accessible, accountable, and decentra.ized solution for file storage, advancing the principles of Web3,

Full Stack Web Development | [Link](#)

Javascript, React.js, Node.js

A list of (ongoing) course projects about full stack web development. A final project will be published before May 2025.

IOS App Development

Swift, SwiftUI

Ongoing course projects, to be published in Apple App Store. The app is being designed and developed and will publish before May 2025.