Zhuo Wang

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Brown University, Providence RI, USA · 02912

EDUCATION

Brown University, School of Engineering   Providence, USA
Master, Biomedical Engineering, GPA: 4.0/4   09/2023-09/2025
- Courses: Computer Vision, Pattern Recognition and Machine Learning, Computational Cognitive Neuroscience

Northeastern University (China), College of Medicine and Biological Information Engineering   Shenyang, China
Bachelor, Biomedical Engineering, GPA: 3.4/5 (84/100)   09/2019-09/2023
- Courses: Principles of Economics, Corporate Finance, Entrepreneurial Foundation, Big Data Management and Business Intelligence, Data Science Foundations (Python), Data Analysis and Visualization, Healthcare Data Analysis

University of Dundee, School of Science and Engineering   Dundee, UK
Bachelor (Honours), Biomedical Engineering, GPA: First Class Honours (73/100)   09/2022-09/2023
- Courses: Deep Learning for Medical Imaging, Biomedical Research Frontiers, Biomedical Engineering Project

WORKING EXPERIENCE

Hazel Investment Co., LTD   Shenzhen, China
Data Analyst Intern   01/2022-02/2022
- Participated in data extraction and cleaning of a report on investor interaction with listed companies of Hazel Investment through SQL syntax.
- Employed SQL to query and extract the data from the public opinion database of listed companies and summarized ten types of data on investor questions and company secretary responses.
- Visualized the top 10 listed companies with the most questions asked by investors and investors' active time using Tableau and matplotlib package.

China Great Wall Securities Co., Ltd   Shenzhen, China
Investment Banking Division Intern   08/2021-09/2021
- Compiled project due diligence documents, contributing to accurate and comprehensive project evaluations.
- Created bidding materials for bond projects, showcasing strong attention to detail and adherence to project requirements.
- Conducted thorough proofreading and document checks for the bond issuance project of "Sichuan Xiongzhou Industrial Co., Ltd", ensuring accuracy and compliance with relevant guidelines.
- Acquired in-depth knowledge of the IPO project process, enhancing understanding of capital market operations and regulations.
- Facilitated efficient processing of comprehensive transactions within the project team, ensuring smooth coordination and timely completion.

RESEARCH EXPERIENCE

Unsupervised Learning for Quantitative Poly-energetic Computed Tomography (CT) Reconstruction Dundee, UK
Final Project   09/2022-05/2023
- Implemented a segmentation-free unsupervised deep learning reconstruction algorithm to directly estimate the CT electron density.
- Applied advanced denoising methods for image reconstruction problems using unbiased CNN (Convolutional neural networks) based on PyTorch.
- Validated higher accuracy in attenuation modelling compared with other models, reached the lowest root-mean-squared-error 0.0298, and demonstrated superior quantitative imaging with Polyquant data.

EXTRACURRICULAR ACTIVITY

LinkedIn China, *Campus Ambassador*   12/2021-07/2022
Liaoning Science and Technology Museum, *Volunteer*   10/2021
Shenyang Hunnan District No. 3 Primary School, *Volunteer*   12/2019

SKILLS & INTERESTS

- Language Skills: Chinese (native), English (fluent)
- Computer Skills: Python, SQL, Tableau, C&C++, Microsoft Office, Bloomberg (Basic)
- Interests: Reading, Singing, Traveling, Hiking, Soccer