

JIAQI ZHANG

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EDUCATION

Beijing University of Posts and Telecommunications

Sep 2020 to Present

Bachelor of Engineering in Digital Media Technology

Relevant Coursework: Algorithm and Data Structure (80), Database Technologies and Applications (93), Digital Image Processing (86), Computer Vision (89), Web Development (85), and etc.

INTERNSHIP EXPERIENCE

Future Laboratory, Tsinghua University

Apr 2022 to Oct 2022

Engineering Intern

- Developed a visual interface for controlling Arduino components by writing approximately 1,500 lines of Processing code.
- Authored comprehensive documentation including a communication protocol document and usage instructions totaling 3,500 words in Chinese. Engaged in multiple discussions with the team to ensure clarity and understanding.

PROJECT EXPERIENCE

Sketch World: Deep Learning-based Intelligent Creative Platform

Nov 2022 to Jul 2023

College Student Entrepreneurship Team Leader

- Utilized Python for programming and the Colab platform for compilation. Researched existing generative AI models, fine-tuned and implemented a GAN model and a diffusion-based model to enable "text to image" and "text to video" functionalities.
- Employed HTML, CSS, and the ReactJS framework to construct the project's web pages. [\[Project Link\]](#)

Image Classification Task on the IP102 dataset using ResNet50 model

Jul 2023

Personal Project

- Implemented data processing with Numpy & Pandas and utilized the Tensorflow framework for development.
- Leveraged transfer learning with the pre-trained ResNet50 model to classify insect images within the IP102 dataset, achieving an accuracy rate of approximately 53%. [\[Project Link\]](#)

AWARDS

National Third Prize, Category of Innovative Technology,

Aug 2022

National College Students' IoT Technology and Application Competition

Beijing City Third Prize, Category of UI Design,

Aug 2021

National College Digital Art & Design Awards

SKILLS

- Web Development: HTML, CSS, JS, ReactJS, SQL, Git
- Programming Languages: Python, C++, C#
- Design Software: Photoshop, Adobe Illustrator, Figma
- English: IELTS 7.0