

HAIWEI DU

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cogitoergosum666

MALE/2000/Singapore

EXPERIENCE

Assistant Software Engineer, Technology & Operations Nextas Technology

Jul 2022 – Sep 2022

Zhuhai, Guangdong

- Assist in the maintenance and upgrade of a brake control program for an industrial machine
- Led the writing of a document on machine flow control, and wrote a machine flow control program in C# based on this document

C/C++

C#

Java

Python

PyQt5

SQL

Node.js

HTML

JavaScript

Git

Windows

PROJECTS

VOStyle

Video-oriented pixel intelligent annotation system

Jul 2022 – Aug 2022 & Dec 2022 cogitoergosum666/VOStyle

- build an Interactive video object segmentation and Semi-supervised video object segmentation system for images and videos, which allowed the user to edit the bounding box anytime anywhere within the video. It can also perform basic image-processing operations
- Use Django framework to build web front-end and supporting back-end, use pyqt to make a desktop application, port image example segmentation application, use GitHub to do code maintenance and add new features

Python

Django

HTML

CSS

PyQt5

Git

VScode

Visual Studio

OpenCV

Lianzhubao

Renju AI Development and Practice

Jun 2022 <https://botzone.org.cn/>

- Learn and apply the Minimax algorithm, decision tree tuning, design heuristic functions, and other ML& AI technology and skill
- The final bot Test1 won fifth place in the class with 23 groups competing and ranked 35th in the entire ranking of the website

Python

JSON

School "Sanshui" Software

Application of Compliance blockchain credit deposit application platform project for the campus Water dispenser/Washing machine/AC device

Mar 2022 – Oct 2022

- Build a front and back-end clearing platform for the campus Water dispenser/Washing machine/AC device based on Blockchain technology:Linux foundation's Hyperledger and Baidu's Xuperchain
- Learn to write and deploy smart contracts under blockchain, apply Django to implement information management system CURD abilities
- National Innovation and Entrepreneurship Training for University of PRC 2022

Python

Hyperledger Fabric

Xuperchain

Django

Html

CSS

JavaScript

Ajax

Spring Boot

Linux

MySQL

EDUCATION

Beijing Jiaotong University

Candidate for B.Eng. in Computer Science

2020 – 2024

Beijing, China

GPA: 3.94/4.0

TOEFL: 99(26R/29L/22S/22W)

President of the BJTU Blockchain Association

Machine Learning I 92/100

Data Structures 94/100

HPC 97/100

Mathematical Modelling Method 95/100

Digital Image Processing 95/100

Media and Interaction Design 99/100

Software Engineering 96/100

IT Professional English 93/100

SKILLS

Skills I've worked with directly. Ordered by approximate proficiency/relevance.

Programming & Other Languages

C/C++

Python

Java

JavaScript

C#

Bash

Go

SQL

HTML

CSS

LaTeX

MIPS Assembly

Frameworks, Engines, Libs, & Databases

Django

NumPy

Pandas

Matplotlib

MPI

MySQL

OpenCV

GurobiPy

Development Tools & Environment

Git

UNIX/Linux

Anaconda

CUDA

Visual Studio

MultiSim

Matlab

Vim

Docker

PyTorch

GNU

AWARDS

First Prize of Mathematical Modeling Competition of Beijing Jiaotong University

University level,rank:19/892

Second Prize of Beijing College student humanities knowledge competition

Provincial level,rank:102/2000+