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ABOUT ME

I'm a versatile software developer with a particular interest in computer networks and cybersecurity. Apart from programming, I have personal experience administering, configuring, and maintaining UNIX/Linux systems, including Apache web servers and MySQL database servers. My time is primarily spent researching, prototyping, and coding. I consider myself to be a hardworking, with an excellent work ethic and interpersonal skills.

EDUCATION AND TRAINING

Bachelor

Tianjin University [06/2021]

Address: NO. 135, YAGUAN ROAD, HAIHE EDUCATION PARK, JINNAN DISTRICT, TIANJIN CITY, P.R. CHINA, 300350 Tianjin (China)

www.tju.edu.cn

Field(s) of study: Information and Communication Technologies : *Software and applications development and analysis*

LANGUAGE SKILLS

Mother tongue(s):

Portuguese

Other language(s):

English

LISTENING C1 **READING** C2 **WRITING** C1

SPOKEN PRODUCTION B2 **SPOKEN INTERACTION** B2

Chinese

LISTENING A2 **READING** A2 **WRITING** A2

SPOKEN PRODUCTION A2 **SPOKEN INTERACTION** B1

DIGITAL SKILLS

Programming Languages
Python / JavaScript / Java / C#

Front-end Development
HTML / CSS

Back-end Development
Node.js / MySQL

DevOps
Docker / Git

IT
UNIX/Linux / Networking / Nmap / Socket

PROJECTS

CBIR system
[2020]

Developed an image processing and computer vision application. This school project is a content-based image retrieval system and was developed in Python and the OpenCV library was implemented. The histogram of each image was the parameter used to describe each one.

https://github.com/medpaf/cbir

Face mask detector system
[2021]

In the process of developing a computer vision application using Machine Learning. The chosen language was Python and libraries such as TensorFlow, Keras and OpenCV were implemented. For performance reasons on mobile devices, MobileNetV2 was chosen as the architecture of the Convolutional Neural Network

https://github.com/medpaf/face-mask-detector

VBNetS
[2021 – Current]

Currently in the process of developing a network scanner. This project is being written in Python and it's a CLI program intended to be used in Linux systems to run complete scans on network devices. Multiple type of scans will be supported, including SYN scans, UDP scans, comprehensive scans and others. Apart from scans, this tool will also support other network administration utilities such as banner grabbing, DNS checks and ping.

https://github.com/medpaf/vbnets

HONOURS AND AWARDS

Participation in the 10th Junior University Physics Summer School
University of Porto, Portugal [31/08/2014]

Selected by his secondary school to represent his country at the 10th Junior School of Physics at the Junior University at the University of Porto, Portugal.

MOFA Scholarship Award

Ministry of Foreign Affairs, Republic of Taiwan [06/2016]

Awarded by the Ministry of Foreign Affairs of the Republic of China, Taiwan with a scholarship to attend a undergraduate course in Taiwan.

CSC Scholarship Award

Chinese Scholarship Council, PR China [02/2017]

Awarded by the Chinese Scholarship Council with a scholarship to attend a undergraduate course in the People's Republic of China.