CHANGRAN XU

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G07, Chih Hsing Hall, New Asia College, CUHK, Sha Tin, Hong Kong, China

Research Interests: Rich Media (Computer Vision); AI; Machine Learning

EDUCATION

The Chinese University of Hong Kong 08/2020-07/2024(Expected)
Bachelor of Science in Computer Science (Stream: Rich Media); GPA: 3.526/4.0

- **Core Courses**: Principles of Programming Languages(A-), Fundamentals of Machine Learning(A), Discrete Mathematics for Engineers(A), Digital Logic and Systems(A); Computer Organization and Design(A), Fundamentals of Artificial Intelligence(A-)

PROJECT EXPERIENCE

Bootstrapping AI-generated Content | *Research Assistant, Advisor: Qiang XU* 09/2023-Present

- Examined a variety of literature and discuss with the PhD students regarding the research subject
- Collaborated with PhD students to classify and process positive samples, as well as generate partial detection samples
- Utilized appropriate code to accurately annotate facial and body parts in images
- Completed the final report named *Evaluating Generative Models for Human Image Synthesis* and submitted it to the 2024 International Joint Conference on Computer Vision and Pattern Recognition (CVPR 2024 Conference) on 4th Nov. 2023

SmartNIC Performance Profiling and Prediction | *Research Assistant, Advisor: Hong XU* 06/2023-08/2023

- Conducted research and analysis of the SmartNIC code and its underlying principles through an extensive literature review
- Adapted and customized the code to ensure its compatibility with the SmartNIC system in our local laboratory
- Produced a comprehensive report and delivered a presentation showcasing the research findings, earning commendation from the professor

SCHOLARLY ACHIEVEMENT

- Changran Xu (Under review), the fourth author, Evaluating Generative Models for Human Image Synthesis, *The 2024 International Joint Conference on Computer Vision and Pattern Recognition (CVPR 2024 Conference)*

PROFESSIONAL EXPERIENCE

Flourish Entertainment Agent Company, Hong Kong | *Web Developer Assistant* 07/2023-08/2023

- Responsible for developing web pages

Legal Expression, Hong Kong (Entrepreneurship) | *Full-stack Developer* 05/2023-08/2023

- Collaborated with law students to integrate AI, specifically ChatGPT, into the legal field to improve the effectiveness of legal provision searches
- Individually designed and created the blog system's webpage and helped seek financing opportunities
- Used AI models to consistently train AI capabilities, primarily through Python, by adopting API and standardizing the format of legal provisions
- The entrepreneurial efforts were recognized and rewarded by CUHK PI Centre and CUHK VCCE

Hongtai Water Resources Information Technology Co., Ltd, Ningbo | *Front-end Engineer Trainee* 05/2022-08/2022

- Developed and honed front-end skills, including expertise in web writing using VUE and JavaScript
- Completed data collation and integration task for one of the company's database
- Facilitated the completion of the Ningbo government's water management system through close collaboration with mentors and colleagues

EXTRACURRICULAR ACTIVITIES

Mainland Undergraduate Association, CUHK |*Zuba (Seniors who provide guidance for newcomers)* 08/2021-09/2021

- Supported new students during their quarantine period by assisting with living arrangements and medication requirements
- Facilitated orientation activities and helped new students become familiar with different operating systems
- Offered guidance in obtaining HKID cards and handling various daily issues to help newcomers adapt to life in Hong Kong

New Asia Mainland Student Union | *Publicity Committee* 08/2021-08/2022

- Contributed to the development of the annual plan and facilitated coordination of activities with cross-functional teams
- Composed and organized the content for each event, effectively disseminating information to students through blog posts and other digital platforms.

ADDITIONAL INFORMATION

Computer Skills: C; C++; Java; Python; Database; VUE; Pytorch
Language Skills: Mandarin Chinese (native); English (fluent); Cantonese(fluent)