Taixi CHEN

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EDUCATION

Hong Kong Baptist University   Hong Kong SAR
Bachelor of Computer Science | CGPA: 3.22/4.0   Sep 2021 – Jun 2025 Expected
- Relevant courses: Algorithm Data science, Web development, Android development, Deep learning
- Further illustration: all Algorithm courses are A (highest level), Deep learning, discrete math, and probability courses are A, and all courses are taught in English
- Honors: President honor roll | Dean's List

PROFESSIONAL EXPERIENCE

Hong Kong Baptist University   Hong Kong SAR
Research Assistant   Jun 2023 - Aug 2023
- Research with Prof. Cheung YiuMing(IEEE Fellow, AAAS Fellow)on clustering algorithm problems and expand pragmatic knowledge about unsupervised learning including hierarchical clustering.
- Implemented some experiments and read myriads of papers on hierarchical clustering and one-clustering aiming to find a path to improve their drawbacks. Including the convex hull in high dimension and streaming data in hierarchical clustering.
- Implemented models including KMeans, DBSCAN, BIRCH

Hong Kong Baptist University   Hong Kong SAR
personal project   Jun 2024 – present
- Designing a WTK-standard Card game engine.
- Using Kotlin and Android development skills to construct the game for people using in Android platform.

Hong Kong Baptist University   Hong Kong SAR
Personal Project   Sept 2023 - Dece 2023
- Develop the website for the volunteer system, using Express and Node.js in the backend and Vue as the front end.
- Implemented the Bootstrap, and Oruga components to design the web pages and utilized the authentication system to ensure privacy by using the login function to control.
- Utilized NoSQL database MongoDB to provide data management.

HeBei University   Baoding, China
Research Assistant   Jan 2022 - Aug 2022
- Researched at He Bei University with Prof. Li Kai and helped his team find some practical and valuable literature about deep learning and image denoising.
- learned numerous Deep Learning knowledge and cultivated the code ability about deep neural networks.

Publication

- **Journal article**: LI Kai., ZHANG Hui., CUI Lijuan., PENG Jinjia., CHENTaixi. (2023). Image denoising based on deep residual network with dual-domain information. Journal of Hebei University (Natural Science Edition), 43(2), 216-224

EXTRACURRICULAR

Welfare activity for Chinese New Year in Hong Kong | *Volunteer member*   Dece 2022
- With a member of the Legislative Council of Hong Kong, Prof. Liu Zhipeng (BBS, JP), participating as a volunteer in a welfare activity.
- Created Spring couplets for the neighborhoods in a district of Hong Kong.

Hong Kong Baptist University | *Selected Volunteer leader*   Feb 2022
- Helping fresh students as a volunteer leader with the Student Council. Organizing a big party for fresh students to adapt to Hong Kong Baptist University

OTHERS

- **Languages**: Chinese Mandarin (Native), English (Fluent), Cantonese (Limited Working Proficiency)
- **Technical Skills**: Java, Python, Kotlin, Html, JavaScript (Express.js, Vue.js), C