

Baicheng Chen

📍 Shenzhen, China ✉ baichengchen@link.cuhk.edu.cn ☎ +86 13165152873 🌐 baichengdanny.github.io
🔗 baichengdanny

Education

The Chinese University of Hong Kong, Shenzhen Sept 2023 – Present
BS in Computer Science and Engineering

- GPA: 3.733/4.0 ([Transcript](#) [🔗](#))
- **Coursework:** Java programming, Computational Laboratory Using Java (A), C++ programming, Data structure (A), Optimization

University of California, Berkeley June 2024 – Aug 2024
Summer Session

- GPA: 4.0/4.0 ([Transcript](#) [🔗](#))
- **Coursework:** Computer Security (A), Discrete Math (A)

Research Experience

Research Assistant at Secure Computing Lab of Big Data China
Advisor: Baoyuan Wu, Associate Professor, The Chinese University of Hong Kong, Shenzhen Sept 2024 – Present

- Doing research for the topic of Deepfake Detection.

Publications and Working Papers

-
- **B. Chen**, “Federated Learning-Based EfficientNet in Brain Tumor Classification”, *In Proceedings of the 1st International Conference on Engineering Management, Information Technology and Intelligence (EMITI)*, 2024. [[Paper](#)] [🔗](#)

Projects

Implementation of Image Classification Training Based on FedAvg Algorithm March 2024

- Group Project with Boxuan Wen, Yeke Zhang, Zixiang Hao
- This project mainly focuses on how to use Federated Learning to solve the image classification task and find the best accuracy through parameter tuning.
- Wrote the training part of the code and analyzed the impact of hyperparameters and heterogeneity.
- [Presentation Slides](#) [🔗](#), [Final Report](#) [🔗](#)

A Secure File Sharing System Aug 2024

- [Project 2](#) [🔗](#) of the course CS161: Computer Security at UC Berkeley
- Work with Jonathan Lin
- Used cryptographic library functions to design a secure file sharing system, which will allow users to log in, store files, and share files with other users, while in the presence of attackers.

Java Chat Room 2024

- [Project 1](#) [🔗](#) of the course CSC1004: Computational Laboratory Using Java at CUHKSZ
- Individual work
- Design a Chat Room with features include 1) Multithreading Implementation, 2) Chat Room Functions, 3) Message Display, 4) Chat Record Storage, and 5) Search Function.

Java Gomoku Game 2024

- [Project 2](#) [🔗](#) of the course CSC1004: Computational Laboratory Using Java at CUHKSZ
- Individual work

- Design a Gomoku Game with features include 1) Preliminary Game Rules 2) Java GUI, 3) Direct Mouse Control, and 4) Undo and Redo.

Technologies

Languages: C++, C, Java, JavaScript, SQL, Python, Go, MATLAB