Runzhou Chen | CV

Shenzhen, Guangdong Province, China | maplepicker@outlook.com

Education

B.E. in Computer Science and Technology   June 2021

Harbin Institute of Technology, Shenzhen (HIT Shenzhen), China

- **CGPA:** 3.727 / 4.0 || **GPA:** 3.456 / 4.0
- **Core Courses:** Fundamentals of Computer, Principles of Computer Organization, Operating System, Computer Networks, Database Systems, Data Structures, Computer Architectures, Design and Analysis of Algorithms.
- My graduation project is **A System on Restoration and Augmentation of Old Photos**. My Supervisor is Guangming Lu.

Work Experience

VisionNav Robotics | Group of Perception Algorithm   August 2021 ~ July 2022

Perception Algorithm Engineer   Shenzhen, Guangdong, China

- Maintained, developed and refactored functional libraries of automated guided vehicles (AGV).
- Independently developed multiple end-to-end point cloud processing libraries (C++ mainly), which had been deployed to **hundreds of AGVs** in **over 20 industrial parks**. Feedback from field staff showed **higher accuracy** and **better robustness**.
- Implemented algorithm programs by reading official documents, reading academic papers and browsing blogs. The algorithms included clustering, several kinds of geometry filtering and line, circle fitting, etc.

Skills

- **Programming:** C++(Intermediate); C(Advanced Beginner); Python(Advanced Beginner);
- **Research:** basic papers/documents reading ability; basic problem analytical skills; basic knowledge summarization skills;
- **Language:** medium level of English usage;

Honors

- Nominee for Newcomer of the Year, VisionNav Robotics, 2022
- Second Prize for Freshman Year Project, Harbin Institute of Technology, Shenzhen, 2018
- Brone Medal for China Collegiate Programming Contest 2018 (CCPC 2018) Jilin Regional Competition, 2018
- Second Scholarship for Harbin Institute of Technology, Shenzhen Annual Scholarship, 2018