

KUN CHEN

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EDUCATION

University of Michigan - Ann Arbor, MI

Fall 2021-Winter 2024

GPA: 4.00/4.00

BS in Computer Science

Coursework: Programming and Intro Data Structures, Discrete Mathematics, Applied Linear Algebra, Introduction to Statistics and Data Analysis, Elementary Programming Concepts

McGill University - Montréal, Canada

Fall 2020-Winter 2021

GPA: 3.95/4.00

Qualified and nominated for membership in the Golden Key International Honor Society

EXPERIENCE

Haitong Securities Co., Ltd.

May 2021 – July 2021

Investment Analyst Intern (Concentrate in software developing and data analysis)

- Wrote a program to calculate Maximum Drawdown to help investment analysts and investment managers evaluate whether the risks of the investment match the potential profits made by the investment using C++.
- Analyzed the financial reports of the companies which are in the investment list and provided the investment suggestions.
- Collected the weekly net worth data for different Private Equity funds using Excel.
- Collected and organized the weekly meeting reports and documents of the Financial Products Investment Division.
- Check whether the daily financial data in Word matches the data in Excel.

PROJECTS

Calculate Maximum Drawdown

- Wrote a program using C++ to help the investment analysts and investment managers calculate the Maximum Drawdown more efficiently and accurately.
- Currently being used by Financial Products Investment Division of Haitong Securities Co., Ltd.

Computer Vision

- Wrote a program to resize images in a way that changes the aspect ratio but does not distort the image (seam carving).

Statistics

- Wrote a program to analyze data including the size, sum, mean, corrected sample standard deviation, median, min, max and percentile value of data.

Elevators

- Elevators is a project that dabbles in Game Design, Artificial Intelligence, and designing real-world systems. Using C++ to complete an implementation for a game in which the player operates 3 elevators in a busy building, making decisions and servicing requests to keep the people inside the building as happy as possible.

Ohh1

- Wrote a program to read, check, solve, and play basic instances of Oh h1, a Sudoku-like puzzle game using C++.

CoolPics

- Wrote a program that reads in a description of shapes, draws those shapes, and saves the result to a file using C++.

SKILLS

Programming Skills: Java, C++, Python, R, Microsoft Office

Language: English (Fluent), Mandarin (Native)

CERTIFICATES

- Programming for Everybody (Getting Started with Python) (Coursera) July 2021
- Python Data Structures (Coursera) July 2021