

VINCENT YI HUI CHEN

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ABOUT ME

Languages C/C++, Python, Java, SQL, MIPS, HTML, CSS, JavaScript, Latex
Tools Git, Bash, LLVM, Cmake
Platforms Windows, Linux, Eclipse, Xilinx ISE, VS Code
Others Agile methodology

PROJECT EXPERIENCE

Personal Website(Under Development)

April 2021 – Present

HTML, CSS, JavaScript

- link: <http://216.19.184.218:2020/>
- Repository: <https://github.com/cvincentc/personal-website>

Photo Processing Application

Feb 2021 – March 2021

An application that can decode tiff images and generate different visual effects

Java, Java Swing

- Designed application with OOP concepts and user friendly GUI
- Implemented functions to decode tiff format images
- Coded visual effect functions for gray scale, ordered dithering and dynamic range adjustment
- Repository: <https://github.com/cvincentc/ImageProcessing>

Library Management System

Feb 2020 – July 2020

An application to manage book items, user accounts and transaction records

C, Top-down design, GUI framework

- Responsible of application design and implementation for both front-end and back-end
- Application is user friendly and provides over 20 features

CSV to JSON Converter

Feb 2020 – July 2020

An efficient program to convert CSV files to JSON files using an open source framework

C++, Git, Linux, Parabix Framework, CMake, LLVM, Open Source

- Collaborated in a team of 3 and implemented majority of the program at each stage of development cycle
- Program capable of converting files 2.5 to 4 times faster than ordinary converting methods
- Repository: <https://cs-git-research.cs.surrey.sfu.ca/cameron/parabix-devel/-/tree/beta-csv>

OTHERS

SFU CSSS Mountain Madness Hackathon

Feb 13 2021 – Feb 14 2021

An interactive playground where users can learn sorting algorithms in visual manner

JavaScript, HTML, Python

- Collaborated with three other members and effectively designed and implemented the website
- Repository: https://bitbucket.org/holychicken99/proj_main/src/master/

EDUCATION

Simon Fraser University/ZheJiang University

2018–Present

- Dual-degree program in Computer Science and Computer Engineering
- B.Sc with SFU and B.Eng with ZJU

Vancouver Community College

Sept 2017–June 2018

- Full-time University Transfer Program
- Earned assured transfer to SFU with outstanding academic performance