Changwen LI

PERSONAL INFORMATION

Address: 122 Berkeley Street, Carlton, Victoria
Post Code: 3053
E-mail: changwenl@student.unimelb.edu.au
Phone Number: (+61)0473026835
GitHub: https://github.com/ArthurLCW

OBJECTIVE

Computer science graduate with a solid knowledge base and good programming ability. Applying for a research opportunity.

EDUCATION

Bachelor of Engineering:
The Chinese University of Hong Kong, Shenzhen (CUHKSZ)
Concentration: Computer science and engineering
Cumulative GPA: 3.4/4.0 (top 30%)
Graduation: June 2022

Master of Computer Science:
The University of Melbourne (UniMelb)
Anticipated Graduation: June 2024

SKILLS

Programming Languages:
Python, C++, Java, MySQL, C, MATLAB, Verilog, Julia, CSS, HTML5, JavaScript
Other Skills:
Violin (ABRSM Grade 8 Distinguished Level)

INTERNSHIP EXPERIENCE

Business Testing, WeChat Product Department, Tencent Technology Company Limited
- Business function testing of enterprise WeChat, error feedback and analysis.
- Wrote automated testing programs and finished more than 20000 lines of codes.
- Optimized automated testing framework.

RESEARCH EXPERIENCE

Meteorological Prediction Project:
- Converted original images and videos into PyTorch and TensorFlow dataset.
- Modified video-prediction model PhyDNet and trained modified model on meteorological dataset.
- Modified Swin Transformer for video-prediction.

COURSE PROJECTS (Partial)

Android Game: UniMelb H1 Hopper
Developed an Android game similar to Flappy Bird in a team. Participated in game design and presentation. Implemented all sensors and corresponding APIs. Implemented dark mode and its corresponding UI. Designed and implemented overall layout, login page, register page, home page, etc.

Database Management System:
Established database with MySQL and built front-end with HTML, CSS and JavaScript. Connected front-end and backend by Django. The system could realize the addition, deletion, modification, and query of the database through UI.

Inspur Cloud Computing Platform Experiments:
Ran multiple sets of cloud computing platform experiments and wrote experimental reports. Tested the performance of the cloud platform and analyzed the algorithms of each testing set.

IDE Simulation of MIPS Language:
The IDE simulator of MIPS language was developed in C++, including an editor (providing the interface for editing MIPS code with highlighting and other functions), assembler (converting assembly code to machine code), simulator (simulating executing machine code) and debugger.

TEAMWORK AND SOCIAL PRACTICE:

Orchestra of CUHKSZ:
　　Part leader and part principal
Model United Nations Association of CUHKSZ:
　　Academic director
Young Sapling Volunteer Teaching Team:
　　Team leader
Zhixing Social Research Team:
　　Team leader

HONORS

Bowen Scholarship 2018, academic award with ¥30000
Bowen Scholarship 2019, academic award with ¥30000
Bowen Scholarship 2020, academic award with ¥30000
Bowen Scholarship 2021, academic award with ¥30000
The 2019 CityU MUNC, Honorable Mention
The third Sen MUNC, Best Delegate