HUILIN TAI

■ **Montreal, Canada**

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SKILLS

- **Programming:** Java, Python, C/C++, R language, SQL, Bash/Shell, MIPS assembly, matlab
- **Others:** Linux, circuit design, HTML/CSS, Sketchup, auto-CAD

EDUCATION

McGill University, Montreal, QC, Canada   *Sep. 2020 - present*
Bachelor of Science - Honor statistics, Minor computer science

- Relevant coursework: Algorithm and Data Structures, Software Systems, Computer System, Programming Language and Paradigms, Computer Science, Operating Systems, Database Systems, Data Science, Compiler Design, Artificial Intelligence, Advanced Math Analysis, Topology, Statistics, Biostatistics

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WORK & RESEARCH EXPERIENCE

Harbin Medical University
Biostatistics Researcher   *Jun. 2022 - Aug. 2022*
- Participated in paper writing especially graphing and programming as a co-author of submission to Cellular & Molecular Biology Letters.
- Developed survival analysis to estimate if targeting uridine-cytidine kinase 2 could improve the immune response of hepatocellular carcinoma. Implemented an interactive monogram with R language for 1-year, 3-year, and 5-year survival analyst.
- Collected real time data, performed statistical and predictive analysis, created visualizations, and communicated actionable results to the team. Reduced nonstandard data collection and eliminated bias by cleaning the database.

Yooden Technology
Financial analyst   *Aug. 2019 - Jan. 2020*
- Provided 5 trusted advice about changing issues in contracts to help both sides avoid risks.
- Collaborated with the IT department on the mechanical component consumption and market demand analysis.
- Drafted sponsor invitation letters for upcoming meetings and led an analysis group to clarify the income report.

LEADERSHIP AND EXTRACURRICULAR

Undergraduate Civil Engineering Project   *May.2022 - present*
data analyst
- Processed transportation data and population data from questionnaires through Python programming.
- Built models and formed visualizations for 5 designing hypotheses.
- Provided justifications to strengthen particular arrangements and testified system efficiency with data.

Simplify McGill
Finance department leader   *2019 - 2020*
- Led 5 activities and built cooperating relationships with 2 organizations financially.
- Learned to write monthly income reports and participated in addressing speeches for coworkers.
- Administered the club budget to allocate directly to 5 departments.

4D English   *2017 - 2019*
English volunteer teacher
- Guided over 10 middle school students and improved speaking skills to intermediate level in 8 months.
- Communicated with students' parents weekly and provided feedback monthly.
- Assessed language status for 12 students and gave each student 5 tips to improve speaking skills.
- Coached 2 students reached 7.0 scores in the IELTS test.

INTERESTS AND OTHER SKILLS

- Constant interest in mathematical competitions, have won over 10 prizes.
- Advanced sketching and painting skills.
- Ample experience in handcrafting and relevant business, such as model and sculpture building, jewelry making.
- Tutoring, have provided voluntary educational aids in both mathematics and computer science area.