HAN CHENYITENG

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EDUCATIONAL BACKGROUND

University of Toronto St. George Campus   **Sept. 2020 – May 2024**
- Mathematics Specialist Program, Faculty of Arts and Science
- GPA: 3.19/4.00

RESEARCH EXPERIENCES

Applied Mathematics Research: Linear Algebra and Partial Differential Equations in Multiple Disciplines

Team Leader | Supervisor: Anastasia Romanou   **Jun.-Jul. 2023**
- Conducted data processing of water temperature and salinity of the South Pacific Ocean using python, analyzed the data and made predictions over a certain time frame using machine learning methods
- Used python to obtain a numerical solution to the boundary problem of the heat equation and verified the accuracy of the numerical solution against the theoretical solution; used the numerical solution to study the effect of coefficients and variables on the solution and stability
- Finished a paper titled *Finding the Numerical Solution of the One-dimensional Heat Equation*
- In charge of the overall research progress in the team, including outlines writing, plans arrangement, tasks assignment，etc.

Numerical Analysis: Calculus and Algorithmic Modeling Errors   **Jul.-Oct. 2022**

Team Leader | Supervisor: Ming Gu
- Developed mathematical strategies and did real-world simulations using python to give optimal solutions to gaming strategy games
- Finished a paper titled *Game Theory -- Optimum Strategy for Drawing Cards in 21 Points* as the co-first author
- In charge of the overall research progress in the team and mainly responsible for coding for each part

INTERNSHIP EXPERIENCE

Government Procurement Cloud Service Platform   **Jul.- Aug. 2023**

Data Analyst Assistant
- Did research, integrated the needs of each department, abstracted the revenue, operation, and management models of each department, and then did summarization
- Did weekly statistics on departmental revenue and revenue components related to projects including newspaper, vaccines and government digitization
- In charge of macro longitudinal fitting, detail categorization, side-by-side comparisons, analysis after sifting out large items, analysis in conjunction with previous data curves, and revenue reports
- Wrote test case code

SKILLS

Programming language: Python, java
Data analysis: Python, matlab

LEADERSHIP

Chinese Student Union   **10/2020-06/2022**
- Hosted weekly club meetings and events, as well as multiple large-scale annual events throughout the year