

Yuwei Liu

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EDUCATION

University of Toronto, Toronto, Canada

Fall. 2022 - Dec. 2023

Master of Applied Computing

Concentration: Applied Math

University of Waterloo, Waterloo, Canada

Jan. 2018 - Dec. 2021

Bachelor of Mathematics Combinatorics & Optimization Major, Statistics Major

Honor: Presidents Scholarship of \$2,000 for excellence in academics, University of Waterloo (Entrance scholarship for admission average with over 90%)

TECHNICAL SKILLS

C, Python, R, MATLAB, SQL, HTML, CSS, JavaScript, Java, TensorFlow, Power Bi, Excel, Microsoft Office

EXPERIENCE

ThoughWorks, Xi'an, China

June. 2022 – Aug. 2022

Back-end Developer

- Using Spring Boot, Java, React, to develop an event booking web page with PostgreSQL Database, achieving different functionalities and completed over 80% clients' needs during iterations.

KeenKiz Learning, Oakville, Ontario, Canada

May. 2021 - Aug. 2021

Online studying assistant, part-time

- Wrote advertisement articles for course recommendation published on social media platforms, translated the information between Chinese and English, and published a total of 9 recommendation articles.
- Organized summer courses for elementary and middle school students, created online classrooms, contacted teachers, formed student study groups on platforms, informed parents of important information, and participated in the maintenance of about 20 summer courses.

University of Waterloo, Waterloo, Ontario, Canada

May. 2021 - Aug. 2021

Undergraduate research assistant, part-time

- Read through many articles about classification methods, finding the suitable penalty and loss functions method for the functional data classification. Analyze the problem and design the algorithm for optimization of the loss function, simulating sample data to verify the efficiency of the methods.

Infrastructure Ontario, Toronto, Ontario, Canada

May. 2019 - Aug. 2019

Data analyst

- Extracted the project information for more than 50 regions from website by using Python with Selenium library, and saved the structured data information into Excel, which helps to analyze the yearly variance efficiently.
- Analyzed the project risk and evaluated the prediction accuracy by Power Bi and Python based on the historical data extracted from Sequel Server, which includes 690 projects valued about 375 million Canadian dollar.
- Used Excel and Python to build the resource allocation models for human resource in different roles, aiming to select the target data from Sequel Server, track the timeline for the 57 projects between 2019 to 2025, and allocate the limited full-time employees against different types of projects to find out the lack of resource.

AsiaInfo Inc., Beijing, China

Aug. 2018 - Dec. 2018

Front-end development technology assistant

- Improved communication skills by participating in weekly included 20 ~ 30 people.
- Accomplished a work report about responsive web design in online market discussing 3 different ways to in HTML, CSS, jQuery and compared different situations, concluded a combined method.

ACTIVITIES

Orchestra of University of Waterloo, Waterloo, Ontario

Jan.2018-Aug. 2018

Clarinet player