Yuchen Wang

https://yuchenwyc.github.io/

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EDUCATION

- **University of Toronto** — Toronro, ON, Canada
  H.B.Sc. Specialist in Computer Science & Data Science — *Sep. 2017 – present*
    - **cumulative GPA**: 4.00 / 4.00
    - **Focus**: Machine Learning, Statistics, Mathematics

- **Xi'an Tieyi High School** — Xi'an, Shannxi, China
  Sep. 2014 – Jun. 2017

RESEARCH EXPERIENCE

- **University Health Networks** — University of Toronto
  Undergraduate Research Student — *May 2019 - present*

- **Project 1:** Post-Transplant Complication Mortality Prediction Using Deep Learning from Longitudinal Electronic Health Records Data
    - **Supervisors**: Prof. Bo Wang and Dr Mamatha Bhat
    - **Focus**: Deep learning, AI healthcare, statistical analysis, data analytics
    - **Status**: In the progress of submitting to the journal JAMA

- **Project 2:** Single Cell Trajectory Inference using Deep Learning
    - **Supervisor**: Prof. Bo Wang
    - **Focus**: Deep learning, unsupervised learning, single cell, trajectory inference

OTHER WORK EXPERIENCE

- **DHC Software Co. Ltd** — Xi'an, Shannxi, China
  Web Development Intern — *May 2018 - July 2018*
    - **Project**: Office Automation system for Shannxi Yanchang Petroluem
    - **Responsibilities**: Managed the Oracle database for an Office Automation system using SQL queries; Communicated with users to report defects

PROGRAMMING SKILLS

- **Proficient Languages**: Python (PyTorch, Tensorflow, Numpy, Pandas), C, R   **Familiar**: MatLab, Java

- **Technologies**: LaTeX, Javascript, HTML, CSS, SQL, bash

CAMPUS ACTIVITIES

- **University of Toronto Machine Intelligence Student Team** — University of Toronto
  Public Relation Director — *Nov 2018 - May 2019*
    - **Responsibilities**: Reached out to student clubs and organizations to seek collaboration opportunities

HONORS AND AWARDS

- **The Dorothy Walters Scholarship**   2019 Fall, Woodsworth College, University of Toronto

- **2019 Winter - Dean's List Scholar**   2019 Winter, University of Toronto

- **2018 Winter - Dean's List Scholar**   2018 Winter, University of Toronto

REFERENCES

- **Professor Bo Wang** — University of Toronto
  Assistant Professor, Faculty of Medicine; Faculty Member, Vector Institute — *bowang@vectorinstitute.ai*

- **Dr Mamatha Bhat** — Toronto General Hospital Research Institute (TGHRI)
  Affiliate Scientist — *Mamatha.Bhat@uhn.ca*