

Rundong Zhou

Curriculum Vitae

Contact Information

Email: rundong.zhou@mail.utoronto.ca

Phone: (647) 608-3978

Website: rundong-zhou.github.io

EDUCATION

Bachelor of Applied Science in Engineering Science

2021

Major in Engineering Physics

Major GPA 3.59

University of Toronto

Toronto, Canada

Candidate for **Master of Science**

expected 2024

Major in Complex Adaptive Systems

Chalmers University of Technology

Gothenburg, Sweden

HONOURS AND AWARDS

Avancez Scholarship

2022

Chalmers University of Technology

- 75% tuition fee reduction.

Undergraduate Research Fellowship

2018

Canadian Institute for Theoretical Astrophysics

- C\$ 2000 per month for four months.

Dean's Honour List

2015 Fall

University of Toronto

2016 Fall

- Pass with >80% average.

2020 Fall

2021 Winter

RESEARCH EXPERIENCE

Undergraduate Thesis

September 2020 - April 2021

Department of Physics, University of Toronto

Toronto, Canada

Supervisor: Prof. Nicolas Grisouard

- A novel spectral method to solve fluid equations in polar coordinates.

Summer Undergraduate Research Program

May - September 2018

Canadian Institute for Theoretical Astrophysics

Toronto, Canada

Supervisor: Prof. Norm Murray

- Data analysis on Galactic Legacy Infrared Midplane Survey Extraordinaire (GLIMPSE) database.

Research Assistant

April 2021 - Present

Department of Physics, University of Toronto

Supervisor: Prof. Nicolas Grisouard

- A novel Fourier-Bessel based spectral method using discrete Hankel transform.

Research Assistant

January - April 2022

Department of Mechanical Engineering, University of Ottawa

Supervisor: Prof. Natalie Baddour

- Developing a new type of 2-D discrete Fourier transform in polar coordinates using Dini series.

PROFESSIONAL EXPERIENCE

Intern Technical Interpreter

October - December 2019

Baoshan Iron & Steel Co., Ltd., and PMC-Colinet Industries

Shanghai, China

Supervisor: Marcello Mameli

- English and Mandarin. RPP07-3 CNC Pipe Finishing Machine bearing replacement and refurbishment project at Baoshan Iron & Steel Co., Ltd..