

Yiyang Zhou

+86 17717374071

aquila.zhou@mail.utoronto.ca

<https://aquila-zyy.github.io/>

Research Interests

I am mostly interested computability and complexity, including models of computation and proofs. I am also interested in algorithms analysis, as well as Theoretical Computer Science in general.

Education

University of Toronto	2019 - 2023
– Specialist in Computer Science - Comprehensive Stream	
– CGPA: 3.89 (Final year GPA: 3.88)	
– Notable Courses:	
– Computability and Computational Complexity (CSCC63, 90%)	Summer 2021
– Algorithm Design and Analysis (CSCC73, 90%)	Fall 2021
– Operating Systems (CSCC69, 92%)	Winter 2022
– Topics in Mathematics – Set Theory (MATD12, 91%)	Winter 2022
Instructor: Raymond Grinnell	
– Readings in Computer Science – <i>a Practical Theory of Programming</i> (CSCD92, 93%)	Summer 2022
Supervisor: Nick Cheng	

Articles

Articles not published or written for assignments are available for viewing on my personal website.

Assignments

- A Better Theory to Prove Program Correctness Winter 2022
- Beyond Set Theory: Bunches Winter 2022

Unpublished

- Reduction From Hypergraphic Connect Game to Generalized Geography August 2023

Internships

CHINA COMSERVICE (CCS SOFT)	May - June 2023
– Mentor: Zhuoping Gu	
– Area: Applications of Artificial Intelligence	
– Designed, deployed, and concept-tested a doc-processing application that incorporates generative AI as an assistant.	

Teaching Experience

I have been a Teaching Assistant for the following courses at University of Toronto, Scarborough Campus:

- **Computability and Computational Complexity** (CSCC63) Winter 2023
Instructor: Vassos Hadzilacos
- **Computability and Computational Complexity** (CSCC63) Fall 2022
Instructor: Nick Cheng

References

Vassos Hadzilacos

Professor,
Department of Computer and
Mathematical Sciences,
University of Toronto,
Toronto, Canada
vassos.hadzilacos@utoronto.ca

Nick Cheng

Associate Professor,
Teaching Stream,
Department of Computer and
Mathematical Sciences,
University of Toronto,
Toronto, Canada
nick.cheng@utoronto.ca

Raymond Grinnell

Associate Professor,
Teaching Stream,
Department of Computer and
Mathematical Sciences,
University of Toronto,
Toronto, Canada
raymond.grinnell@utoronto.ca