

Ziqian Zhong

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EDUCATION

Candidate for B.S. in Computer Science, *Massachusetts Institute of Technology*

Aug 2020 – present

GPA: 5.0/5.0

Cambridge, MA

Selected Coursework: Fundamentals of Statistics (A), Computation Structures (A+), Fundamentals of Programming (A), Elements of Software Construction (A+), Theory of Computation (A+), Advanced Data Structure (A+), Advanced Complexity Theory (A)

SKILLS

General Programming (C++ / Python / Javascript) | **Algorithm / Data Structure** (Research / Graduate Level)

Machine Learning (Data Science / Statistics / Deep Learning) | **Web Frontend / Backend** (React / Vue / Node.js / PHP / SQL)

PROFESSIONAL EXPERIENCE

Machine Learning and Data Science Intern, *Better Off Brunching*

Jun 2022 – Aug 2022

Designed and refined algorithms to optimize brunching experiences. Performed experiments and analysis on real-life data.

New York, NY

Undergraduate Researcher, *Massachusetts Institute of Technology*

Oct 2021 – May 2022

A member of the research team guided by Virginia Vassilevska Williams. Co-discovered several new results in graph theory and combinatorics. Resulted in several published papers.

Cambridge, MA

PUBLICATIONS

New Additive Approximations for Shortest Paths and Cycles, *Mingyang Deng, Yael*

Jul 2022

Kirkpatrick, Victor Rong, Virginia Vassilevska Williams, Ziqian Zhong; ICALP 2022

New Lower Bounds and Upper Bounds for Listing Avoidable Vertices,

Aug 2022

Mingyang Deng, Virginia Vassilevska Williams, Ziqian Zhong; MFCS 2022

AWARDS

Gold Medal, *International Olympiad in Informatics 2019*

Aug 2019

Gold medal and 4th place overall as a member of the China team.

First Place, *ICPC North America Championship 2022*

May 2022

As a member of the MIT ICPC team, secured first place by a large margin among top teams.

Second Place, *Weblab 2022*

Jan 2022

An annual one-month web development hackathon in MIT. Second place among 120 teams.

Second Place, *HackMIT 2021*

Sep 2021

An annual 24-hour hackathon. Second place among 180 teams as main frontend developer.

PROJECTS

CP Ideas, <https://fjzzq2002.github.io/cpideas/> 🌐

Jul 2022

A tool that generates competitive programming problems with deep learning.

Mosaic Detective, <https://mosaic-detective.com> 🌐

Jan 2022

A web game designed and implemented for Weblab 2022.