

**Tomohiro Sawada**  
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## **EDUCATION**

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### **The University of Chicago**

*Master of Science in Mathematics*

*Bachelor of Science in Mathematics*

Chicago, IL

*June, 2021*

*June, 2021*

## **EXPERIENCE**

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### **Mathematics REU, UChicago.**

*Participant*

Chicago, IL

June 2020– July 2020

- Learned graduate topics under supervision of UChicago graduate students.
- Conducted independent project on Thurston, The Geometry and Topology of Three Manifolds.

### **Mathematics REU, UChicago.**

*Participant*

Chicago, IL

June 2019– July 2019

- Attended lectures on advanced undergraduate topics.
- Learned graduate topics under supervision of UChicago graduate students.
- Wrote expository paper on [graduate mathematics topic](#)

### **Mathematics RTG Analysis Boot Camp, UChicago.**

*Teaching Assistant & Participant*

Chicago, IL

June 2018 – August 2018

- Youngest participant in the program.
- Program for top undergraduate math students at UChicago.
- Responsibilities include supervising lectures and grading assignments.
- Learned advanced topics under supervision of Prof. Panagiotis Souganidis.

### **Mathematics RTG Analysis Boot Camp, UChicago.**

*Participant*

Chicago, IL

June 2017 – August 2017

- Youngest participant in the program.
- Learned advanced undergraduate topics under supervision of Prof. Wilhelm Schlag.

### **Simon Lab for Ultracold Quantum Materials, UChicago.**

*Research Intern*

Chicago, IL

June 2016– July 2016

- Conducted independent research projects pertaining to quantum mechanics.
- Responsible for building electronics.

### **Mathematics REU Apprentice Program, UChicago.**

*Participant*

Chicago, IL

June 2016– July 2016

- Youngest participant in the program.
- Participated in lectures intended for rising second and third year undergraduates.

## **EMPLOYMENT**

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### **Upwork**

*Freelancer (Remote)*

San Francisco, CA

October, 2021 – Present

- Top-Rated Freelancer
- Wrote Python code using data analysis packages
- Made over 5000 USD in earnings in 3 months

**Self-Employed***Tutor*Chicago, IL  
September, 2017 – February, 2020

- Tutored students from grades 4-12 and first year undergraduates.
- Instructed students on various STEM subjects, including mathematics and programming
- Tutored over 10 students.

**University of Chicago Mathematics Department.***Grader*Chicago, IL  
September, 2017 – December, 2017

- Grader for the first year honors calculus sequence.
- Responsible for grading weekly assignments and providing details reports on student performance

**SKILLS**

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**Languages:** English (Native), Japanese (Native)**Computer:** Microsoft Office, Python (Intermediate), HTML/CSS (Intermediate), Javascript (Elementary), Racket (Elementary), C Programming (Elementary)