Jun Ikeda

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EDUCATION

Bachelor of Science, California Institute of Technology   Jun 2026
Major: Computer Science, Mathematics
Recipient $380,000 Yanai Tadashi Scholarship (Merit based, third party)

University of Tokyo   Aug 2022
Studied highest level mathematics/science in Japan in the gaps between
Japan and US school year

Kaijo High School Class of 2022   Mar 2022
Graduated as valedictorian, GPA: 4.00

SKILLS

- Excel at C, Java, HTML/CSS/JavaScript (TypeScript, React, React Native, Redux), JSX, TSX, Python, Firebase, Mathematica, Git, Docker, MS Word, Excel, Power Point and Google alternatives. Knowledge of C, AWS, Blender.
- Task automation using Google Apps Script, Google Colab, UWSC.
- Native in Japanese

EXPERIENCE

Volunteer, Online Conference Speaker
atelier basi, Benesse hd.   Aug 2022 – Present
- Support underrepresented Japanese students to study abroad
- Spoke at online events, gave comments on essays
- Mentored students to support college application (admitted to Columbia University, Cornell University)

Independent Math Research   Jun 2017 – Present
- Gave new elementary proof to Riemann zeta identities
- Paper published as first author (Notes on Number Theory and Discrete Mathematics, Bulgarian Academy of Sciences)
- Recently discovered new Riemann zeta identity with elementary method

Research in additive combinatorics with Prof. Shukun Wu   Feb 2023 – Present
- Attempt to increase the asymptotic order estimate of the cardinality of convex sets' sumsets.
- SURF with full time employment

ACTIVITES AND HONORS

- Venerable House Off-campus representative   Winter 2023-present
- Volunteer teacher, online activity organizer at Ishintai UNESCO Club   Aug 2020-Aug 2022
- Mobile App Development Leader (React Native)   Winter 2020-Winter 2021
- Harvard Book Award   Winter 2021
- 2nd place All Japan Educational Model United Nations   Winter 2021
- Astronomy research with funding from Japan Science Society   Winter 2020