

Kento Nishi

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Education and Affiliations

Harvard University

Harvard College Class of 2026

2022-present

Cambridge, Massachusetts

Lynbrook High School

Class of 2022. GPA: 4.0 (Unweighted).

2018-2022

San Jose, California

University of California, Santa Barbara

Visiting Researcher @ Four Eyes Lab (2020-2022)

Research Mentorship Program Student (summer 2020)

Summer Research Academy Student (summer 2019)

Santa Barbara, California

West Valley College

Concurrent Enrollment Student

2020-2022

Saratoga, California

San Francisco Japanese School

Saturday school supported by Japanese government. Graduated in 2019.

2011-2019

San Jose, California

Publications

Conference on Computer Vision and Pattern Recognition [IEEE/CVF CVPR]

June 2021

"Augmentation Strategies for Learning with Noisy Labels"

pp. 8022-8031

- **First author of a full-length paper.** Affiliated with the UCSB Research Mentorship Program and Four Eyes Lab.
- Prepared a [video](#) and poster. Presented in the **main CVPR conference** in June 2021.

Association for the Advancement of Artificial Intelligence [AAAI-21]

February 2021

"Improving Label Noise Robustness with Data Augmentation and Semi-Supervised Learning"

pp. 15855-15856

- **First author of a short paper.** Affiliated with the UCSB Research Mentorship Program and Four Eyes Lab.
- Presented a poster in the **AAAI Student Poster session** in February 2021.

Awards

Valedictorian

Lynbrook High School

2022

Regeneron Science Talent Search Top 300 Scholar

"Augmentation Strategies for Learning With Insufficient Data"

2022

Synopsys Science Fair Excellence in Computer Science Award

"Augmentation Strategies for Learning with Noisy Labels"

2021

USA Computing Olympiad Gold Division

USACO 2020 US Open Contest

2020

College-Level Coursework

Subject	Course ID	Institution	Date	Grade	Credits
Intermediate Calculus	MATH 004A	West Valley College	Spring 2022	A	4.0
Linear Algebra	MATH 004C	West Valley College	Fall 2021	A	4.0
Differential Equations	MATH 004B	West Valley College	Spring 2021	A	4.0
Computer Programming II (C++)	CIST 004B	West Valley College	Fall 2020	A	4.0
Presentation Techniques in Research	INT 93P	UC Santa Barbara	Summer 2020	A	4.0
Introduction to Research Techniques	INT 93R	UC Santa Barbara	Summer 2020	A	4.0
Research in STEM	INT 93LS	UC Santa Barbara	Summer 2019	A	4.0

APs: Calculus BC (5), Chemistry (5), Computer Science A (5), Japanese (5), Language & Composition (4), Literature & Composition (4), Physics C Electricity & Magnetism (5), Physics C Mechanics (5), Statistics (5)

Additional Academics

Name	Date	Description
Stanford Machine Learning Course	Summer 2020	Received a certificate for completing " <i>Machine Learning</i> " instructed by Dr. Andrew Ng at Stanford University. <i>Certificate ID: 2A7SM5AGNJFC</i>
NVIDIA Deep Learning Institute Course	Spring 2019	Received a NVIDIA Deep Learning Institute Certificate for completing " <i>Fundamentals of Deep Learning for Computer Vision</i> ". <i>Certificate ID: 0f17ae21083b444caf0d60afa0ea8f04</i>

Skills

Languages: Japanese (native), English (native)

Programming Languages: Python, JavaScript/TypeScript, HTML/CSS, C++, Java

Technologies: PyTorch, Svelte, Vue, Git, Docker, ssh, VSCode, SQL, Linux, etc.

GitHub: 980-day daily commit streak, 17K+ total commits, 130+ total pull requests, contributed to 35+ open source projects

Other: Long-distance running, electronic music composition/production, guitar/ukulele

Apps & Libraries

LiveTL: Co-founder of a browser extension and mobile app for TV-like subtitles for online livestreams. 50K+ total users, 350+ stars on GitHub, 20+ contributors from 10+ countries.

HyperChat by LiveTL: Founder of a browser extension for improving the YouTube livestream chat experience. Built into LiveTL (50K+ total users), with 7K+ additional non-LiveTL users. 100+ stars on GitHub.

Pogify: Synchronized music playback for online streams. 10+ contributors, 50+ stars on GitHub, 15K+ social media likes.

IFrame Translator: Free JS/TS text translation engine. Used in LiveTL and HyperChat to auto-translate comments.

Torch Pitch Shift: First pitch-shifting Python library with GPU support (4.5K+ downloads/month). 70+ stars on GitHub. Developed alongside *torch-audiomentations* (300+ stars on GitHub) with the open source Asteroid developer team.

Leadership Experience

Name	Description
Lynbrook Computer Science Club	Co-president (2021-2022), Secretary (2020-2021) Weekly presentations on interesting topics not covered in conventional computer science courses. Introduced project-based learning in collaboration with Machine Learning Club and Web Development Club.
Lynbrook Machine Learning Club	Co-president (2021-2022), Secretary (2020-2021) Organized and presented lessons relating to machine learning weekly. Introduced inter-club projects and research paper review sessions.
Lynbrook Web Development Club	Project Coordinator (2021-2022), President (2020-2021), Lead Developer (2019-2020) Re-structured the club curriculum to focus on modern web development stacks. Created AutoScriber (automatic Zoom meeting notes with AI) in collaboration with ML Club.