Hiroyuki Akiyama
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EDUCATION

Columbia University, Columbia Engineering, New York, NY (2025-present)
Bachelor of Science, Computer Science (intended); GPA: 3.9 (expected January 2026)
Relevant Coursework: Data Structures in Java, Multivariable Calculus, Physics, General Chemistry
Kaisei Junior & Senior High School, Tokyo, Japan (2019-2025); GPA: 4.0

HONORS AND GRANTS

Egleston Scholar, Columbia Engineering (2025-present)
Champion at the MakeCU (Columbia Intercollegiate Robotics Hackathon) (2025)
Global Leaders Scholar, Sasakawa Peace Foundation (four-year full-ride scholarship; 2025-present)
Tobitate Study Abroad Initiative Scholarship Recipient, Japan Ministry of Education (2023)
Student Research Grant, Kaisei Academy (given for 3D modeling software; 2021)

TECHNICAL EXPERIENCES

School Cafeteria Mobile Order App Development
Collaborated with Japan's largest electronic money company to develop a mobile order app and reduce the wait time at my 1000+ student school cafeteria. Led 10+ demo sessions with older cafeteria staff to refine UI, gradually easing their concerns about the new technology.
Patented Social Media Algorithm and UI
Developed and patented a social media platform focused on "joy-scrolling" instead of doom-scrolling. Implemented sentiment analysis to assess the "positivity" of posts and visualize them with colored circles (orange=happy, while blue=sad), so users can skip negative ones before reading them.

Screenshot of my patented social media

MEMBERSHIP

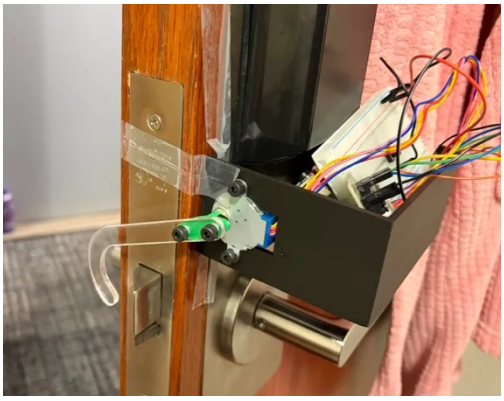
Robotics Club, Columbia University (2025–Present)
Computer Club, Kaisei Academy (2021–2025)

TECHNICAL SKILLS

Game Development: Unity (C#), Photon Fusion (real-time online simulation framework)
Web Development: Next.js, TypeScript, Flask, PostgreSQL, MongoDB, Prisma, SCSS
3D Modeling: ZBrush, Blender
Other: Soldering, basic electronics, Viam (facial recognition)

LANGUAGES

Japanese (native)
English (fluent)
Mandarin (basic)



Dormmate: Facial-recognition door system developed at MakeCU, inspired by Ring Doorbell