

Hodaka Nakamura

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EDUCATION

University of California, Irvine	Expected June 2028
Bachelor of Science in Computer Science	Irvine, CA
▪ Campus-Wide Honors Collegium	
Ida B. Wells-Barnett High School	June 2024
High School Diploma	Portland, OR
▪ GPA: 4.21	

WORK EXPERIENCE

STEM Tutor	January 2025 - Present
Ardent Academy	Irvine, CA
▪ Help K-12 students with STEM subjects, designing personalized curriculums and supporting their learning	
▪ Responsible for multiple subjects, including Python, Java, JavaScript, C, C++, Physics, and Math up to Calculus	
Software Engineering Intern	June 2023 - June 2024
TOPPERS (Toyohashi OPen Platform for Embedded Real-time Systems) Hakoniwa WG	Japan
▪ Engineering the Hakoniwa virtual environment for simulating real-world systems (e.g. drones)	
▪ Introduced real-time audio streaming to cloud-based microcontroller simulations, working with signal processing	
▪ Worked with C#, Python, and Bash	
▪ Translated Japanese presentations to English for a University of Tokyo professor, contributing to the team's globalization	
▪ Created the drone 3d model for the team's first drone simulation using Blender	
Part-time Fullstack Web Developer	June 2021 - August 2022
Portland State University Fariborz Maseeh Department of Mathematics and Statistics	Portland, OR
▪ Integrated a customized course feature for a website to teach analysis and group theory to college students	
▪ Developed both server-side and client-side code using HTML, JavaScript, CSS, PHP, SQLite, and jQuery	
Part-time Math Tutor	June 2023 - May 2024
Mathnasium Learning Center	Portland, OR
▪ Worked alongside multiple tutors to help K-12 children with math up to calculus, significantly assisting many students with their schoolwork	

PROJECTS

DevBot	2020
▪ Private Discord bot to moderate, assign roles, and educate in programming	
▪ Used in server with over 50k members	
▪ Mainly written with Node.js and Discord.js	
Unpublished Research Paper	2023
▪ Wrote an unpublished research paper with a mentor through the Inspirit AI+X 1:1 Research Mentorship program	
▪ Used time series models (RNN, LSTM) to forecast the future number of Sunspots using Kaggle datasets, can help with space forecasting	
Portfolio Website (hodakan.vercel.app)	2024
▪ A personal portfolio made with Next.js and hosted with Vercel	

SKILLS

Technical

Proficient in C++, JavaScript, C#, Python, HTML, CSS, jQuery, p5.js, Node.js, Discord.js, Tensorflow, NumPy, Pandas, Unreal Engine, Unity, Java, React, Next.js, Bootstrap, Tailwind CSS, utilizing Bash, Visual Studio Code, JetBrains IDEs, Github, Git Bash, GitKraken, Jupyter
Fluent in Japanese

AWARDS/EXTRACURRICULAR ACTIVITIES

Campuswide Honors Collegium	September 2024 -
Dean's Honor List	
▪ Fall 2024	
High School Chamber Orchestra	August 2020 - June 2024
First Violin Concertmaster	
▪ Ensemble: 2x District Champion, 2022, 2023 2x State qualifier, 2022, 2023	
▪ Solo: 1x District runner-up, 2023, 1x State qualifier, 2023	
United PDX 06 Premier	May 2019 - April 2023
Club Soccer	
▪ Played in four different teams, the last being the 2nd-tier Premier team	