

Hodaka Nakamura

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EDUCATION

University of California, Irvine Bachelor of Science in Computer Science <ul style="list-style-type: none">Campus-Wide Honors CollegiumRelevant Coursework: Python Programming, Boolean Logic	Expected June 2028 Irvine, CA
Ida B. Wells-Barnett High School High School Diploma <ul style="list-style-type: none">GPA: 4.21	June 2024 Portland, OR
Portland Japanese School (K-12) Diploma	August 2024 Portland, OR

WORK EXPERIENCE

Software Engineering Intern TOPPERS (Toyohashi OPen Platform for Embedded Real-time Systems) Hakoniwa WG <ul style="list-style-type: none">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 processingWorked with C#, Python, and BashTranslated Japanese presentations to English for a University of Tokyo professor, contributing to the team's globalizationCreated the drone 3d model for the team's first drone simulation using Blender	June 2023 - Present Japan
Part-time Fullstack Web Developer Portland State University Fariborz Maseeh Department of Mathematics and Statistics <ul style="list-style-type: none">Integrated a customized course feature for a website to teach analysis and group theory to college studentsDeveloped both server-side and client-side code using HTML, JavaScript, CSS, PHP, SQLite, and jQuery	June 2021 - August 2022 Portland, OR
Part-time Math Tutor Mathnasium Learning Center <ul style="list-style-type: none">Worked alongside multiple tutors to help K-12 children with math up to calculus, significantly assisting many students with their schoolwork	June 2023 - May 2024 Portland, OR

PROJECTS

DevBot <ul style="list-style-type: none">Private Discord bot to moderate, assign roles, and educate in programmingUsed by tens of thousands of membersMainly written with Node.js and Discord.js	2020
Unpublished Research Paper <ul style="list-style-type: none">Wrote an unpublished research paper with a mentor through the Inspirit AI+X 1:1 Research Mentorship programUsed time series models (RNN, LSTM) to forecast the future number of Sunspots using Kaggle datasets	2023

SKILLS

Technical

Proficient in C, C++, JavaScript, C#, Python, HTML, CSS, jQuery, p5.js, Node.js, Discord.js, Tensorflow, NumPy, pandas, Unreal Engine, Unity, openFrameworks, Java, Dart
Fluent in Japanese

EXTRACURRICULAR ACTIVITIES

High School Chamber Orchestra First Violin Concertmaster <ul style="list-style-type: none">2x District Champion (Ensemble), 2022, 20232x State qualifier (Ensemble), 2022, 20231x District runner-up (Solo), 20231x State qualifier (solo), 2023	August 2020 - June 2024
United PDX 06 Premier Club Soccer <ul style="list-style-type: none">Played in four different teams, the last being the 2nd-tier Premier team	May 2019 - April 2023