

Ayano (Nishimura) Komura

Skills: C#, JavaScript, Python, PHP, SQL, HTML, css

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Experience

NTT QONQ, Inc. - Project Manager & Software Engineer

January 2024 - present

- Directed the specification and project management for the [MiRZA SDK](#).
- Developed a promotional app for MiRZA featuring characters that navigate an exhibition in the real world by Unity in **C#**.
- Developed a promotional app for MiRZA that enables users to place restaurant orders and interact with characters during wait times by Unity in **C#**.

Tyffon Inc. - Software Engineer

December 2018 - December 2023

- Designed and developed gesture recognition with accuracy 98% by machine learning in **Python**.
- Designed, developed, and tested [an AR application](#) as a lead engineer by Unity in **C#**.
- Designed and developed a blower system API for VR by **JavaScript**.
- Implemented gesture detection function in an AR application with the Magic Leap by Unity in **C#**.
- Developed [an AR application for Sado Mine](#) with the NrealLight by Unity in **C#**.
- Implemented real-time event system on [the virtual event space application](#) by Unity in **C#**.
- Developed [an AR application for DinoScience](#) with the NrealLight by Unity in **C#**.

Yahoo! JAPAN - Web Engineer

April 2015 - October 2018

- Designed, developed, and tested Y!mobile web services by **PHP**, **JavaScript**, and **SQL** on Linux.
- Designed, developed, and tested internal web application for publishing banners for supporting non-engineers by **JavaScript** with Node.js.
- Migrated and refactored pricing estimation APIs scripts from **PHP** to **Python**.

Education

Ochanomizu University - Ph.D. in Science

April 2016 - March 2024

Ochanomizu University - Master of Sciences

April 2013 - March 2015

Ochanomizu University - Bachelor of Information Sciences

April 2009 - March 2013

Musashino Academia Musicae - Quit Vocal Music Course

April 2008 - September 2008

Awards

- Awarded by IPSJ for excellent undergraduate thesis in the 75th National Convention of IPSJ.
- Half repayment exemption of student loan for excellent grades (top 30%) from Japan Student Services Organization (JASSO) type-one scholarship.

Additional Information

Patents

- [Patent Publication: JP2020-47003A](#), Created a system that assigns colors to content based on mood-related keywords.
- [Patent Publication: JP2021-033483A](#), Display multiple contents from a single AR marker using partial occlusion.
- [Patent: JP Patent No. 6968326](#), Display system that corrects AR image misalignment based on user position.
- [Patent Publication: JP2025-70872A](#), Improved visibility of virtual event triggers using view-based marker alignment.

Paper - Published as Nishimura, my maiden name.

- [Implementation and experiments for interactive lyrics transcreation system](#)
- [iMake: implementation and evaluation of a system to create fancy eye makeup designs from motifs](#)