

AKIHISA WATANABE

📍 Tokyo, Japan

🌐 akihisa-watanabe.github.io

✉️ akihisa@ruri.waseda.jp

🐙 github.com/Akihisa-Watanabe

SUMMARY

I am Akihisa Watanabe, a 4th-year undergraduate student in the Simo-Serra Lab. of Waseda University, advised by Prof. Edgar Simo-Serra. My research interest lies in generating physically plausible 3D human motion, with the goal of revolutionizing the way people approach physical training and skill acquisition. By allowing for the simulation and analysis of a wide range of human movements in a virtual environment, this technology enables people to explore new techniques, optimize performance, and reduce the risk of injury without the need for physical practice. Ultimately, my work aims to provide a safe space for motion experimentation and learning, transforming how we enhance our physical capabilities.

PUBLICATIONS AND PROJECTS

- Paper **Open-Domain Dialogue Quality Evaluation: Deriving Nugget-level Scores from Turn-level Scores**
Rikiya Takehi, **Akihisa Watanabe**, Tetsuya Sakai, ACM SIGIR-AP '23, 2023. [pdf]
- Article **Tutorial: Reinforcement Learning for Character Animation**
Akihisa Watanabe, 2023. [pdf]
- Article **Reinterpretation of 'Eternal Sunshine of the Spotless Net: Selective Forgetting in Deep Networks'**
Akihisa Watanabe, 2023. [pdf]
- Paper (Japanese) **Time's Up for Replay Attacks: Countermeasures Against Replay Attacks Considering the Temporal Changes of Biometrics**
Watanabe.A, Matsumoto.K, Mori.T, Iijima.R, Computer Security Symposium(CSS2023), 2023.
[pdf] [code] [slide]
- Paper (Japanese) **sEMG-based Gesture Authentication for Smartwatch**
Watanabe.A, Iijima.R, Mori.T, IEICE Technical Committee on Information and Communication System Security(ICSS2023), 2023. [pdf] [code]

EDUCATION

- 4/2021 - **Waseda University** Tokyo, Japan
Major : Applied Mechanics and Aerospace Engineering.
Minor : Computer Science.
- 4/2018 - 3/2021 **Waseda University Honjo Senior High School** Saitama, Japan

EXPERIENCE

- 10/2023 - **Simo-Serra Lab, Waseda University** Tokyo, Japan
Research student.
- 4/2023 - 9/2023 **Network Security Laboratory (Mori Lab.), Waseda University** Tokyo, Japan
Research student.
- 10/2021 - 3/2023 **Adacotech Inc.** Tokyo, Japan
Primarily engaged in the implementation of POC projects as an ML Engineer (Anomaly Detection).

SKILLS

Languages: Python, C, Bash, C++, Swift, Matlab

Frameworks: PyTorch, Brax, Gym, Isaacgym, Open-CV, scikit-learn, Git, Docker,

LANGUAGES

English - proficient, **Japanese** - native