

# AKIHISA WATANABE

📍 Tokyo, Japan

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## SUMMARY

I am currently a 3rd-year undergraduate student in Simo-Serra Lab of Waseda University, advised by Prof. Edgar Simo-Serra. My research interest is in 3D human motion generation, focused on generating a wide range of movements, from daily activities to complex, sport-specific and specialized movements. My vision is to leverage this technology to devise new techniques for fields such as sports, facilitating new ways of learning and advancing while reducing the risks associated with physical practice.

## 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]
- Project (on going)      **Tutorial: Reinforcement Learning for Character Animation**  
**Akihisa Watanabe**, 2023. [pdf] [code]
- 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

- 10/2021 - 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, Git, Docker, Gym, Isaacgym, Open-CV, scikit-learn, pytorch-metric-learning.

## LANGUAGES

**English** - proficient, **Japanese** - native