Qinlin He

B.Eng. Candidate
4th Year Cyber Security Undergraduate Student

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EDUCATION

09/2020 - 07/2021 **School of Electro-Mechanical Engineering, majored in Automation** — **Xidian University**

09/2021 - 07/2023 **School of Cyber Engineering, majored in Cyber Security** — **Xidian University**
I was selected to join the Cyber Security Experimental Class program

09/2023 - 07/2024 **UC Santa Barbara Extension, Graduate Academic Preparation Program** — **UC Santa Barbara**

GPA: 3.4/4.0 **IELTS:** 7.0

RESEARCH EXPERIENCE

09/2022 - 11/2023 **DeepFake detection utilizing gaze information**

- Proposed a novel approach to combine gaze-related features with DeepFake detection
- Reached state-of-the-art performance in some related datasets
- I developed the entire project and experiments
- I wrote the paper for publication

Project Repo: github.com/Kyriota/GazeForensics

Related Publication **[Under Review] Qinlin He, Chunlei Peng, Dechuang Liu, Nannan Wang, Xinbo Gao. Gaze-Forensics: DeepFake Detection via Gaze-guided Spatial Inconsistency Learning. Neural Networks [Journal]**

Preprint: arxiv.org/abs/2311.07075

EXTRACURRICULAR

Since 2021 **Member of L-team, CTF (Capture The Flag) team of Xidian University**

- I mainly focus on machine learning-related problems in CTF games like adversarial attacks

07/2023 • * CTF (Star CTF) Ranked 3rd as a member of L-team

09/2021 • TCTF (Tencent CTF) RisingStar Final Ranked 3rd as a member of L-team

Since 2021 **Matain my personal tech blog** — **Site:** Kyriota.com

- A blog post about Unity 3D shader helped many other developers

PROFESSIONAL SKILLS

- **Programming Languages**
  - Experienced in **Python**, familiar with PyTorch and machine learning concepts
  - Experienced in **C#**, C, HTML, familiar with Unity 3D engine
- **Tools**
  - Good proficiency in academic writing with **LaTeX**.
  - Proficient in using **Linux** and **GitHub**.

RESEARCH INTERESTS

- **Trustworthy AI**, I am interested in improving the robustness, explainability, and privacy of DNNs.
- **Computer Vision**, like Deepfake detection, multi-modal, and other applications in CV with DNNs.