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** I was selected to join the Cyber Security Experimental Class program.	**Xidian University**

09/2023 - Present	**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
· Designed the model and experiments with the assistance of my advisor, Chunlei Peng.
· Developed the entire project and ran all the the experiments.
· 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.**

Preprint: **arxiv.org/abs/2311.07075**

EXTRACURRICULAR & AWARDS

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
· 07/2023 * CTF (Star CTF) Ranked 3rd as a member of L-team
· 09/2021 TCTF RisingStar Final Ranked 3rd as a member of L-team

RESEARCH SKILLS

· Experienced in **Python**, familiar with PyTorch, machine learning concepts and applications.
· Experienced in **C#**, C, HTML, familiar with Unity 3D engine.
· Good Linux and GitHub user.

RESEARCH INTERESTS

· **Computer Vision**, specifically in Deepfake Detection.
· **Adversarial Attacks**, demonstrated through successful problem-solving in CTF competitions.
· **Natural Language Processing**, particularly Large Language Models. Although my direct experience in NLP is limited, my background in CV and CTF can serve as a foundation for transitioning into NLP.