Waris Damkham

Student of Information and Communication Technology

I am a self-motivated student who wants to put my gathered skills and knowledge into practice by getting real-life experience through an internship.

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EDUCATION

BSc - Information and Communication Technology
Mahidol University 4th Year (Senior)
08/2020 - Present   *GPAX: 3.02*

Smart/Gifted program
Bangkok Christian College
05/2007 - 02/2019   *GPAX: 3.48*

EXPERIENCE

Detecting Vulnerable OAuth 2.0 Implementations in Android Applications
Internship Program
05/2023 - 07/2023   *Ritsumeikan University, Japan*
Tasks
- My research investigated security vulnerabilities in Android applications using OAuth 2.0 with Google accounts, particularly focusing on cross-site request forgery (CSRF) attacks. The study emphasized the importance of robust security measures in OAuth 2.0 implementations and set a foundation for identifying vulnerabilities to enhance user protection and influence future security audits.

Automated COVID-19 Screening Framework Using Deep Convolutional Neural Network With Chest X-Ray Medical Images
Internship Program
06/2022 - 07/2022   *National Central University, Taiwan*
Tasks
- I contributed to a groundbreaking project focused on COVID-19 screening using chest X-rays, leveraging artificial intelligence and transfer learning to address the challenges of manual infection identification. Our research, published in the 2022 6th International Conference on Information Technology (InCIT), underscored the effectiveness of deep neural networks and Grad-CAM visualization in accurately diagnosing COVID-19, setting a precedent for future developments in automated medical screening.

PUBLICATION

W. Damkham, T. Thaipisutikul, A. Supratak, J. Kraisangka, P. Mongkolwat, and J. -C. Wang. "Automated COVID-19 Screening Framework via Deep Convolutional Neural Network with Chest X-ray Medical Images." Presented at the 2022 6th International Conference on Information Technology (InCIT), Nonthaburi, Thailand.
https://ieeexplore.ieee.org/document/10067528

Waris Damkham, Shingo Kunihiro, Songpon Teerakanok, and Tetsutaro Uehara. "Detecting Vulnerable OAuth 2.0 Implementations in Android Applications." Submitted to the Workshop on Cyber Forensics, Security, and E-discovery, as part of the 23rd IEEE International Conference on Software Quality, Reliability, and Security. 2023. Under review.

SKILLS

Programming languages: C, Java, Python, MySQL, HTML 5, CSS 3, Deep learning, JavaScript, Machine learning, React, Elasticsearch, Node.js, UX/UI, flask, and spring boot

Database Development: MySQL

Program: Adobe Photoshop, Adobe illustrator, Microsoft Office (Word, Excel, PowerPoint)

Photography: Event photography, Portrait photography

ACTIVITIES

Join DSC Team (09/2020 - 09/2021)
The Developer Student Club (DSC) is a community for students in Thailand who are interested in Google developer technologies.

MC in ICT & DST Open House (07/2021 - 08/2021)
At the ICT and DST Open Houses, I was assigned the Master of Ceremony role to lead activities for new students.

Head of group for Welcoming New Students (RakNong 132) (06/2021 - 08/2021)
I was the leader of group entertainment at the 2021 Welcome of New Students (RakNong 132) and created a game to keep new students at Mahidol University entertained.

Head of game entertainment for ICT Welcome Freshy 2021 event (06/2021 - 08/2021)
In 2021, I was the head of game entertainment at the ICT Welcome Freshy. I made a game for new students in the ICT department to play.

Head of SA for the Open House 2020 (09/2020 - 11/2020)
I was appointed head of special events for the house's 2020 opening (SA). I made a flowchart game booth for high school students who were visiting the ICT faculty.

CERTIFICATES

Coursera: Software Engineering Specialization
This software engineering specialization equips students with methodologies, techniques, and tools for end-to-end software development, blending scientific knowledge with real-world case studies and hands-on examples, ideal for programmers looking to deepen their understanding of software development and requiring a grasp of basic object-oriented programming concepts.

Coursera: Google Cybersecurity Specialization
Holders of the Google Cybersecurity Certificate have successfully finished an eight-course program developed by Google, focused on hands-on assessments and foundational cybersecurity skills. They are proficient in Python, Linux, SQL, SIEM tools, and IDS, with capabilities to recognize and mitigate common cybersecurity risks, threats, and vulnerabilities, thereby ready for entry-level roles in cybersecurity.

LANGUAGES

English
IELTS: 5.0

Thai
Native Proficiency