

# 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.



waris.dam@student.mahidol.ac.th

+66 63-954-4447

Nonthaburi, Thailand

waris-damkham.netlify.app

linkedin.com/in/Waris-Damkham

github.com/Waariss

## EDUCATION

### BSc - Information and Communication Technology Mahidol University 4th Year (Software Engineering)

08/2020 - Present

International program GPAX: 3.02

### Smart/Gifted program Bangkok Christian College

05/2007 - 02/2019

Smart/Gifted program 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. Thaisutikul, 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." To be presented at the Workshop on Cyber Forensics, Security, and E-discovery, as part of the 23rd IEEE International Conference on Software Quality, Reliability, and Security. 2023.

## SKILLS

Programming Languages: JavaScript, Python, Java, C

Web Development: HTML, CSS, React, Node.js, Spring Boot

Mobile Development: Java (with Gradle)

Tools & Version Control: Git

Databases: MySQL, Elasticsearch

Machine Learning & AI: Deep Learning, Machine Learning

Cloud and Deployment: Firebase, AWS, Netlify

## 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 program offers practical tools and methods, blending theory with applied examples. Ideal for programmers wanting a solid foundation in object-oriented development.

### Coursera: Google Cybersecurity Specialization

Holders of the Google Cybersecurity Certificate have completed an eight-course Google program, mastering foundational cybersecurity skills, Python, Linux, SQL, SIEM tools, and IDS. They are equipped to identify and address cybersecurity threats, making them suitable for entry-level cybersecurity roles.

## LANGUAGES

English  
Limited Working Proficiency

Thai  
Native Proficiency