PICHAYA DEACHPOL

WEB & MOBILE DEVELOPER

About Me

Developer with 8 years of experience in Web (JavaScript, Vue.js, Azure, Firebase) and Mobile Applications (Java Android, Flutter).

Strong skills in NFC/RFID apps, backend development (C#, Python, Node.js), and deploying web services to cloud platforms.

Also experienced in system automation, production planning support, and UX research.

Passionate about team collaboration, Design Thinking, and Agile project coordination.

Open to new learning in psychology and behavioral science to improve user experience and team workflow.

Portfolio : https://foxz-portfolio.web.app/index.html

Education

Bachelor of Engineering in Computer Engineering
Prince of Songkhla University

(2011 – 2015) (GPA: 2.98)

Languages

(English) (Chinese)

Key Skills

- Mobile Development: Flutter, Android (Java), NFC, RFID, Bluetooth

- Web Development: JavaScript, Vue.js, PHP, Node.js, Flask

- Cloud Platforms: Azure App Service, Azure Functions, Firebase Hosting

- Backend Skills: C#, Python, SQL Server, Azure Table Storage

- System Development: Microsoft Power Apps, SharePoint Integration, VBA, Excel Formulas

- Special Projects: Wi-Fi Router Simulation (Python, Raspberry Pi), OCR Data Checking

- UX/UI: UX Research, Lean UX, Persona Creation, Design Thinking

- Project Management: Basic Scrum, Agile, Cross-team Coordination

- Other Interests: Psychology, Behavioral Science, Time Management

CONTACT

📞 +66 81 136 3631

✉️ deachpol.p@gmail.com

📍 Bang Yai, Nonthaburi

EXPERIENCE×××

Silicon Craft Technology | Dec. 2015 – Mar. 2018

Embedded System Engineer

Web & System Developer
• Worked with designers to gather requirements and create project timelines
• Built web applications using PHP, JavaScript, and Azure Functions (C#, Python)
• Deployed on Azure App Service, used Azure Table Storage for database
• Created demo websites using Node.js, C#, Python (Flask) for Google Cloud and AWS
• Experience with modern frameworks: React.js, Angular 5, Vue.js

Android Application Projects
• Started with Android (Java) to create apps with NFC technology, such as glucose sensor apps
• Developed apps that read data via NFC tags

Innovative Education Project – Thai Language for Children
• Led an innovation project using NFC tags and HF Reader in game cards to support Thai vocabulary and pronunciation
• Applied UX Research, Lean UX, UX Testing, and Design Thinking
• Designed surveys and collected user feedback to improve learning tools

Internal Task Management System
• Developed a custom system using Microsoft Power Apps and Microsoft Flow
• Allowed staff to submit tasks, get approval, assign to team members, and track progress
• Integrated with SharePoint to create folders and store task-related documents and APK files
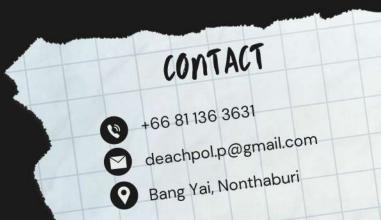
Trustify Project – NFC Product Verification Platform
• Worked on a product verification system where customers can scan NFC tags on products to verify authenticity
• Involved in requirement gathering, front-end and back-end design, database connection, and scheduling
• Built front-end structure and helped maintain project progress

UX/UI Training & Certificates
• Joined UI Design training by Skooldio

Technical Skills
• Web Development: PHP, JavaScript, React.js, Angular, Vue.js, Node.js, Flask
• Cloud Services: Azure (App Service, Functions), Google Cloud, AWS
• Database: Azure Table Storage, NoSQL
• Low-Code Platform: Microsoft Power Apps, Power Automate, SharePoint
• Mobile: Android (Java), NFC
• UX Design: UX Research, Lean UX, Design Thinking, Prototyping, User Testing

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Bang Yai, Nonthaburi

EXPERIENCE ×××

Silicon Craft Technology | Mar. 2018 - Oct. 2024

Senior Customer Application Engineer

Mobile Application Developer (Flutter & Android)
• Handled full process: requirement gathering, development, testing, feedback, and launching on Google Play and App Store
• Created apps that use NFC and RFID, such as health sensor apps and animal tag trackers
• Built Android libraries and Flutter packages for communication with NFC and RFID devices
• Used Bluetooth to connect with RFID systems and standalone sensors
• Focused on Android at first, then moved to Flutter for cross-platform development
• Studied NFC Music to support eco-friendly ideas in the K-pop industry
• Collaborated with hardware teams and built C# applications to support RFID tools used in farming and automotive industries

Web Application Developer
• Worked on internal web systems as a side project
• Used Vue.js, JavaScript, and jQuery Ajax for front-end
• Created backend services with Azure Functions in C# and Python
• Used Azure App Insights for monitoring, and Azure CDN for better performance
• Stored data using Azure Storage and Cosmos DB
• Experience with Firebase Hosting, Firebase Authentication, and Firebase Realtime Database

Patent & Research Projects
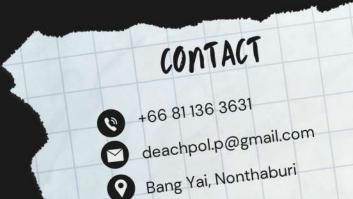Wi-Fi Authentication System Using NFC with Dynamic Security Codes
• Petty Patent No. 2403003220
• Used NFC to connect users to Wi-Fi without entering a password
• Added extra security by changing security codes dynamically
• Designed for public or limited-access areas where Wi-Fi security is important
• Created a basic router using Python, a Wi-Fi card, and Raspberry Pi
• Used Linux commands to manage network settings

Technical Skills
• Languages: Dart (Flutter), Java (Android), JavaScript, C#, Python
• Mobile Development: NFC, RFID, Bluetooth
• Web Development: Vue.js, jQuery, HTML, CSS
• Cloud Platforms: Microsoft Azure, Firebase
• Backend: Azure Functions
• Database: Azure Cosmos DB, Firebase Realtime DB
• Tools: Git
• Hardware & Networking: Raspberry Pi, Wi-Fi

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Bang Yai, Nonthaburi

EXPERIENCE×××

Thai NOK Company | Dec. 2024 – Apr. 2025

Senior System Engineer

Digital Production Planning Enhancement
- Supported the improvement of a digital tool for monthly and weekly production planning
- Helped make the planning process faster and more accurate
- Gained skills in Excel formulas, VBA, and SQL Server
- Conducted a mini proactive task to check job tag data accuracy using Python and Tesseract OCR

Technical Skills
- Excel (Formulas, VBA)
- SQL Server
- Python (Tesseract OCR)

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Bang Yai, Nonthaburi

ศธ 1201. 15/01971

งานรับนักศึกษาและทะเบียนกลาง
วิทยาเขตภูเก็ต มหาวิทยาลัยสงขลานครินทร์

หนังสือรับรอง
หนังสือสำคัญฉบับนี้ให้ไว้เพื่อแสดงว่า

นางสาวภิชญา เดชผล

เป็นนักศึกษาคณะวิศวกรรมศาสตร์
รหัสนักศึกษา 5435512056 ฐานะชั้นปีที่ 4 เป็นผู้เรียนครบทุกรายวิชาตามหลักสูตร
วิศวกรรมศาสตรบัณฑิต สาขาวิชาวิศวกรรมคอมพิวเตอร์ หลักสูตร 4 ปี
ขณะนี้กำลังรอการประกาศผลการสอบ และคาดว่าจะสำเร็จการศึกษา
ในภาคการศึกษาที่ 1 ปีการศึกษา 2558

ออกให้ ณ วันที่ 22 ตุลาคม 2558

(นางอมรรัตน์ ปานขาว)
นายทะเบียนกลาง
วิทยาเขตภูเก็ต

(หนังสือฉบับนี้ไม่สมบูรณ์ถ้าไม่ปิดตรามหาวิทยาลัย)

มหาวิทยาลัยสงขลานครินทร์
ใบแสดงผลการศึกษา

PSU 40

ID.	5435512056
NAME	MISS PICHAYA DEACHPOL
	นางสาวพิชญา เดชผล
BIRTH DATE	FEBRUARY 28, 1993
FACULTY	ENGINEERING
MAJOR	COMPUTER ENGINEERING
DEGREE	

ADMITTED	MARCH 10, 2011
BIRTH PLACE	PRACHIN BURI, THAILAND
GRADUATED	

COURSE NO.	COURSE TITLE	CREDIT	GRADE
	FIRST SEMESTER (2011-2012)		
242-101	INTRODUCTION TO COMPUTER PROGRAMMING	3	C+
322-101	BASIC MATHEMATICS I	3	B
332-103	GENERAL PHYSICS I	3	C+
332-113	GENERAL PHYSICS LABORATORY I	1	B
340-326	SCIENCE, TECHNOLOGY, AND SOCIETY	3	B+
890-101	FUNDAMENTAL ENGLISH LISTENING AND SPEAKING	3	B+
	SECOND SEMESTER (2011-2012)		
242-207	PROGRAMMING FUNDAMENTALS I	3	E
322-102	BASIC MATHEMATICS II	3	E
324-103	GENERAL CHEMISTRY	3	C
325-103	GENERAL CHEMISTRY LABORATORY	1	B+
332-104	GENERAL PHYSICS II	3	C
332-114	GENERAL PHYSICS LABORATORY II	1	C
890-102	FUNDAMENTAL ENGLISH READING AND WRITING	3	A
	SUMMER SEMESTER (2011-2012)		
220-102	ENGINEERING MECHANICS I	3	E
340-323	AUDIO-VISUAL EDUCATION	2	A
895-144	SKILL IN VOLLEYBALL	1	B+
	FIRST SEMESTER (2012-2013)		
200-101	INTRODUCTION TO ENGINEERING	1	B
215-111	ENGINEERING DRAWING I	3	C+
242-201	COMPUTER ENGINEERING SOFTWARE LABORATORY I	1	B
242-202	COMPUTER ENGINEERING HARDWARE LABORATORY I	1	C+
242-205	ELECTRIC CIRCUITS	3	E
242-206	INTRODUCTION TO COMPUTER NETWORKS	2	D
242-208	DIGITAL LOGIC AND DESIGN	3	D+
242-212	PROBABILITY AND STATISTICS	2	W
895-158	PHYSICAL EDUCATION AND RECREATION	2	B+
	SECOND SEMESTER (2012-2013)		
242-203	COMPUTER ENGINEERING SOFTWARE LABORATORY II	1	B+
242-204	COMPUTER ENGINEERING HARDWARE LABORATORY II	1	B+
242-207	PROGRAMMING FUNDAMENTALS I	3	E
242-209	BASIC ELECTRONICS	3	C+
242-211	SOFTWARE ENGINEERING	2	A
242-214	DATA COMMUNICATIONS	2	B+
640-101	HEALTHY BODY AND MIND	3	A
975-252	CONVERSATION IN ENGLISH	3	A
	SUMMER SEMESTER (2012-2013)		
220-102	ENGINEERING MECHANICS I	3	C
322-102	BASIC MATHEMATICS II	3	D+
	FIRST SEMESTER (2013-2014)		
242-205	ELECTRIC CIRCUITS	3	C
242-213	DISCRETE MATHEMATICS	2	B+
242-301	ADVANCED COMPUTER ENGINEERING LABORATORY I	1	C
242-303	ETHICAL, LEGAL AND SOCIAL ISSUES IN COMPUTER PROFESSION	1	A

COURSE NO.	COURSE TITLE	CREDIT	GRADE
242-304	COMPUTER OPERATING SYSTEMS	2	B
242-305	DATABASE SYSTEMS	3	A
242-306	WIRELESS AND MOBLIE COMPUTING	2	C+
242-307	COMPUTER ARCHITECTURE AND ORGANIZATION	3	A
242-380	SIGNALS AND IMAGE PROCESSING	3	C+
	SECOND SEMESTER (2013-2014)		
242-207	PROGRAMMING FUNDAMENTALS I	3	C+
242-212	PROBABILITY AND STATISTICS	2	E
242-302	ADVANCED COMPUTER ENGINEERING LABORATORY II	1	B+
242-309	MICROCONTROLLER AND INTERFACING	3	C+
242-311	CLIENT/SEVER COMPUTING AND WEB TECHNOLOGIES	2	B+
242-340	VLSI DESIGN	3	B+
242-381	COMPUTER CONTROL SYSTEMS	3	C+
975-251	READING AND WRITING DEVELOPMENT	3	C
	SUMMER SEMESTER (2013-2014)		
895-126	ART OF COMMUNICATION	3	B+
	FIRST SEMESTER (2014-2015)		
242-308	COMPUTER ENGINEERING PROJECT PREPARATION	2	A
242-312	COMPUTER SECURITY	2	C
242-321	DESIGN ARCHITECTURE AND ENGINEERING FOR INTELLIGENT SYSTEMS	3	A
242-480	PRINCIPLE OF ROBOTICS	3	B
808-201	SOCIAL PSYCHOLOGY	3	A
	SECOND SEMESTER (2014-2015)		
242-001	CO-CURRICULAR ACTIVITIES	1	A
242-210	PROGRAMMING FUNDAMENTALS II	2	C
242-212	PROBABILITY AND STATISTICS	2	D
242-310	INTRODUCTION TO ALGORITHME AND COMPLEXITY	2	B
242-401	COMPUTER ENGINEERING PROJECT I	3	B+
242-481	MACHINE INTELLIGENCE	3	B+
322-201	BASIC MATHEMATICS III	3	C+
895-171	WISDOM OF LIVING	3	A
	SUMMER SEMESTER (2014-2015)		
242-402	COMPUTER ENGINEERING PROJECT II	3	B+

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PSU 40

ID. 5439512056
NAME MISS PICHAYA DEACHPOL
นางสาวพิชญา เดชพล

COURSE NO.	COURSE TITLE	CREDIT	GRADE	COURSE NO.	COURSE TITLE	CREDIT	GRADE
	TOTAL CREDIT	140					
	CUMULATIVE POINTS	416					
	GRADE POINTS AVERAGE	2.97					

ISSUED ON OCTOBER 22 , 2015

No 1201 15/01971

(MRS.AMORNRAT PANKAO)
REGISTRAR
NOT VALID WITHOUT SEAL