

# Nutt Chairatana

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## EDUCATION

### King Mongkut's Institute Technology Ladkrabang

Aug 2018 - Present

- Bachelor of Engineering
- Computer Innovation Engineering | Cumulative GPA: 3.85 (Year 3/2)

## SKILLS

### Programming Languages:

Python · JavaScript · C# · Go

### Technologies:

Git · Linux · NodeJs · ExpressJs · ASP.NET · Flask · Angular · NgRx · React Native  
Redis · MySQL · MSSQL · MongoDB · AWS · Azure · Docker · Kubernetes · Jenkins  
Ansible · Terraform

## PROFESSIONAL EXPERIENCE

### Mobile Developer · CMKL University

Dec 2021 - Present

- Resign UX and develop a mobile application, called A1CE, which is a learning platform for advancing student-centered learning that allows students to advance based on their ability to master a skill or competency at their own pace through gamified environments
- *Technologies: React Native, Go, Google OAuth2.0, OIDC, Git*

### Software Engineer Intern - Full-Stack · ExxonMobil Thailand

Jun 2021- Nov 2021

- Synchronized PM work order data from SAP to Maintenance Record Mobility App through durable function, and REST API
  - *Resulted in promoted the better time-on-tool, ensured the completeness and correctness of compliance report, and let the customer spend more time on things that are more important in the field by automating data sync job*
- Redesigned (UX and system architecture), developed application process to extract calibration template data from the database, exported the result into report file and delivered to users
  - *Resulted in reduced the maintenance administrator's effort to manually extract, consolidate, and validate data from various sources to populate the calibration report (currently there are 90 fields available, originally from 22) with also a faster response time by 30% by implementing data-mapping and restructuring the code and database*
- *Technologies: Angular, ASP.NET Core, Azure, CI/CD, Durable function, Git, NgRx, MSSQL, OIDC, SAP, SMTP, Terraform*
- *Cover all software development lifecycle steps: analysis, design, development, testing, deployment, and maintenance.*

### Software Infrastructure Part-time · CMKL University

Jan 2021- Mar 2021

- Apex, Cloud ML Infrastructure: securing server SSH, secure shell
  - *Resulted in securing Apex SSH by using SSO, single sign on, to eliminate the need for having authorized\_keys files on the servers and offering passive revocation of SSH user certificates*
- *Technologies: OpenID Connect (OIDC), short-lived SSH certificates, Smallstep's open-source SSH Certificate Authority*

### Digital Startup Researcher Intern · depa Thailand

Jun 2020 - Jul 2020

- Startup Idea & Investment Analysis
- Global Organizations Supporting Startup Research

## ACHIEVEMENTS

- Full Scholarship, Academic Excellence
- Finalist, Huawei Cloud Thailand

Aug 2020 - May 2021

Nov 2020

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## PROJECTS

<b>KinKhorn</b>	Created web application ordering food using NodeJS and ReactJS, designed & built the system architecture using AWS, K8s, and automated the deployment with CI/CD tools
<b>Learning Hub</b>	Created CLI learning system with an online quiz using Go, mainly related to system optimization: cache, threads, parallelism, concurrency, code optimization, etc.
<b>HiewKao</b>	Created web application generating menu recipes from the remaining ingredients in registered fridge using Flask and hosted the app and MySQL database using GCP
<b>KJS Virtual Reality</b>	Created VR game, defending the castle from incoming enemies, from Unity
<b>BLNT, We Grow the World</b>	Implemented IoT that looks after plants using Python WebSocket to communicate between hardware and enabled user to monitor them via mobile application
<b>BLNT Piano</b>	Created software, from PyGame, and hardware that interfaces with a MIDI enabled piano to help students learn
<b>Cozmo Auto Attendance</b>	Created software that automatically check student attendance by face detection and then report the result via LINE and COZMO

## EXTRACURRICULAR

• Assistant Professor, Probability and Statistics	Jan 2021 - May 2021
• Assistant Professor, Physic	Aug 2020 - Dec 2020
• Team Captain of CIE Open House	Nov 2020
• Assistant Professor, Fundamental of Programming	Aug 2019 - Dec 2019
• Instructor Staff of CIE Arduino Workshop	Oct 2019

## INTERESTS

Web Development · System Infrastructure · New Technologies · Hackathons · Learning